Click to verify



Most people have heard the term civil engineer, yet few know exactly what these highly-trained professionals do. Among other things, theyre the heroes who design, build, and maintain bridges, roads, and utility infrastructure. In this article, well explore: What it takes to become a civil engineer. Yet few know exactly what these highly-trained professionals do. Among other things, theyre the heroes who design, build, and maintain bridges, roads, and utility infrastructure. In this article, well explore: What it takes to become a civil engineer. best schools for civil engineers Historic and current engineers planners and doers, theyre also imagineers superhumanNot only are engineers planners and doers, theyre also imagineers planners and create things out of nothing. Some of the characteristics that make good engineers include being: Analytical: Engineers must be able to evaluate situations, consider options, and determine how to make things work effectively. This includes finding utility systems that will last a long time. Detail-oriented: Engineering projects are made up of countless details. A tiny oversight could lead to calamity. Theymust understand how the smallest parts of a project work and connect with each other to create sound, stable, and safe structures. An excellent communicator: Engineering is changing all the time. Engineers must be open to exploring different options and learning new things. Creative: Great bridges and other structures like the Golden Gate, the Brooklyn, and the Gateshead Millennium bridges. A logical thinker: Its one thing to possess unbridled creativity. Engineers must take it to the next level and use logic to pull all the pieces together to bring their ideas to life. Good with numbers: Every building project is backed up by math. Engineers do complex calculations to ensure structures can withstand gravity and other powerful forces. A problem solver: Design projects involve solving problems. Bridge engineers have to figure out how to move traffic from one side of a natural or manmade barrier to the other and ensure a structure can withstand forces like hurricanes and earthquakes, all while making sure the bridge is attractive and enhances its natural or manmade barrier to the other and maintain bridges. Being able to interact with all personality types is critical for success. Tech savvy: Engineers utilize complex computer software every day. Being technologically literate is a requirement for the job. The earliest superhero engineers could make a claim to the title of worlds oldest profession. Along with military engineering, the field can be traced back to ancient times. Engineering began when humans stopped living as wandering nomads and decided to settle near each other and build shelters in urban centers. Around the same time, transportation became important, and some civil engineers designed and developed things like basic roads and bridges, the wheel, and boats.Some of the first major civil engineering projects include:Projects left to rightEgyptian pyramids,Circa 2700-2500 B.C.The pyramids at Giza are among the largest structures ever built. They are the only survivors of the original seven wonders of the original seven wonders of the ancient world.Qanat water management system,Circa 1000 B.C.This advanced system delivered water to arid areas in ancient Persia. Greek Parthenon, Circa 447-438 B.C. This former temple built on the acropolis in Athens was dedicated to the goddess Athena. Even in its ruined state, it is still considered one of the most beautiful buildings ever built. The Roman Appian Way, Circa 310 B.C. This was a critical stone thoroughfare that connected Rome with Brindisi in southeast Italy. It supported warfare and trade. Sections of the roadway still survive today. The Romans deserve a special mention in the engineering feats throughout their vast ancient empire, including developing harbors, bridges, dams, roads, sports and entertainment venues, and aqueducts. Transition to the modern eraWhile civil engineers differentiated themselves from their military counterparts in ancient times, the distinction diminished in the Middle Ages. The first person to officially call himself a civil engineers formed the Smeatonian Society of Civil Engineers. The group met regularly over dinner to discuss engineering-related issues and advances. A few decades later, in 1818, the Institution of Civil Engineers was founded in London. Ten years later, the group received a royal charter, which officially recognized civil engineering as a profession in the United Kingdom. Among the first types of engineering projects outlined in the charter were the development of roads, bridges, and urban drainingEarly engineering knowledge from one generation to the next. The first U.S. college to offer civil engineering courses was Norwich University, back in the early 1800s. The first degree in the field was awarded by Rensselaer Polytechnic Institute in 1835. Today, people working in the profession usually hold Bachelors degrees in civil engineering. They study heavy concentrations of physics, advanced math, and project management and design. choose an area of specialization. An undergraduate degree is enough to begin the process of earning industry accreditation and getting a job in the field. However, many students choose to pursue advanced degrees that allow them to specialize even more and potentially earn higher incomes. There are solid engineering programs offered at colleges all over the United States. Some of the best-ranked ones according to College Choice include: University of Illinois Urbana-ChampaignPurdue University of Minnesota Twin CitiesTexas A&M University College StationNext steps toward becoming a civil engineerIn most advanced countries (including the United States), earning a degree is only the first step toward becoming a civil engineer. Once someone gets a degree, they must meet requirements that include doing a prescribed amount of hands-on work and passing a series of exams. authorities for approval.Legal requirements From a legal and regulatory standpoint, certified engineers must also work within building codes and environmental regulations. Civil engineering sub-disciplines involved in bridge projects include: Construction engineers, who help plan and develop construction sites, including getting equipment and materials delivered to building locations and preparing them for development. Some are involved in business activities like drafting and reviewing contracts, hiring workers, ordering supplies, and monitoring budgets. Earthquake engineers, who specialize in designing structures that can survive in earthquake-prone areas. They focus on the impact that seismic activity could have on bridges and related utility installations. Environmental engineers, who are becoming more important on bridge construction and construction and after a project is complete. Geotechnical engineers, who ensure rocks and soil can support the bridges built on and in them. They are key to developing things like piers, foundations, and retaining walls. Water resources engineers, who play a role on projects that cross creeks, rivers, and other waterways or that are built around wet lands. They focus on the impact it could have on water quality. Hydraulic engineers, who play a key role designing bridges that span waterways. They provide input on how the flow of water in, around, and through a bridge could affect its structural integrity. Structural engineers, who oversee the overall design, analysis, and integrity of bridges. them and the stresses and forces that could affect them. Transportation engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and other transportation-related infrastructure. They also manage bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and pedestrians cross bridges after theyre completed. Municipal and urban engineers, who plan how cars, trucks, trains, bicycles, and who focus on how bridges and utility installations connect with the broader urban tapestry. They oversee situations where multiple development projects must connect together as a whole when completed. For ensure of failures or issues and come up with ways to make improvements in the future. Todays superheroes Check out some of these amazing projects recently developed by todays superhero engineers: 2nd image by Glabb (Own work) [CC BY-SA 3.0], via Wikimedia CommonsPort Mann Bridge, Vancouver, B.C., CanadaThis bridge, opened in 2012, is the second longest and widest in the world. It uses 288 cables to support its almost 7,000-foot length. Aizhai Suspension Bridge, ChinaThis is one of the worlds highest and the mountains on either end anchor its towers. Liuchonghe Bridge, ChinaAnother Chinese wonder, this is the second-highest cable-stayed bridge in the world. It rises more than 1,000 feet above the Liuchonghe River. The designers made the most of its spectacular setting. Becoming an engineerInterested in learning more about civil
engineers, the superheroes of the design and construction industry? The American Society of Civil Engineers website is a good place to start. It has information about education and career opportunities, along with links to interesting publications and extensive libraries. It could help you get started in the field or take your career to the next level. , the free encyclopedia that anyone can edit.117,185 active editors 7,001,964 articles in EnglishThe EnglishTh Held annually, The Boat Race is a side-by-side rowing race between crews from the universities of Oxford and Cambridge along a 4.2-mile (6.8km) tidal stretch of the event, the men's, the women's and both reserves' races were all held on the Tideway on the same day. The women's race saw Cambridge lead from the start, eventually winning by a considerable margin to take the overall record to 4330 in their favour. In the women's reserve race, Cambridge's Blondie (crew pictured) defeated Oxford's Isis by a margin of four lengths. The men's race was the final event of the day and completed a whitewash as Cambridge won, taking the overall record to 8380 in their favour. The races were watched by around 250,000 spectators live, and broadcast around the world. (Fullarticle...)Recently featured: Radar, Gun Laying, Mk.I and Mk.IIAndrea NavageroNosy live, and broadcast around the world. KombaArchiveBy emailMore featured articlesAboutKitty Marion... that Kitty Marion... that Kitty Marion (pictured) was force-fed over 200 times during a hunger strike?... that the North Korean destroyer Choe Hyon is the largest ship constructed for the Korean People's Navy?... that after the release of High and Low, director Akira Kurosawa received telephone calls imitating his film that threatened to kidnap his daughter?... that May Bradford Shockley is why Silicon Valley is where it is?... that the Conservation of a goat might endanger the survival of Aquilegia paui?... that the Taiwanese restaurant chain Formosa Chang drew inspiration from McDonald's for its non-greasy atmosphere and corporate practices?... that Haridas Mitra had his death sentence commuted after the intervention of Mahatma Gandhi?... that "Steve's Lava Chicken" recently became the shortest song to enter the UK Top 40? ArchiveStart a new articleNominate and articleNgg wa Thiong'o Kenyan writer and activist Ngg wa Thiong'o (pictured) dies at the age of 87. In sumo, nosato Daiki is promoted to vokozuna. In association football, Liverpool win the Fremier League title. In motor racing, lex Palou wins the Indianapolis 500. In basketball, the EuroLeague concludes with Fenerbahe winning the Final Four Playoff.Ongoing: Gaza warM23 campaignRussian invasion of UkrainetimelineSudanese civil wartimelineRecent deaths: Harrison Ruffin TylerPhil RobertsonMary K. GaillardPeter DavidAlan YentobGerry ConnollyNominate an articleMay 31: Dragon Boat Festival in China and Taiwan (2025); World No Tobacco DayBessarion455 Petronius Maximus, the ruler of the Western Roman Empire, was stoned to death by a mob as he fled Rome ahead of the arrival of a Vandal force that sacked the city.1223 Mongol invasion of Kievan Rus': Mongol forces defeated a Kievan Rus' army at the Battle of the Kalka River in present-day Ukraine.1468 Cardinal Bessarion (pictured) announced his donation of 746 Greek and Latin codices to the Republic of Venice, forming the Biblioteca Marciana.1935 A magnitude-7.7 earthquake struck Balochistan in British India, now part of Pakistan, killing between 30,000 and 60,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 and 60,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 and 60,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 and 60,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 and 60,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 people.2013 An extremely large, powerful, and erratic tornado struck Central Oklahoma, killing between 30,000 people.2013 An extremely large, powerful, and erratic others. Albertino Mussato (d.1329) Joseph Grimaldi (d.1837) Dina Boluarte (b.1962) Mbaye Diagne (d.1994) More anniversaries: May 30 May 31 June 1 Archive By emailList of days of the year About Cucumber, is an annual vine in the cucumber and melon family, Cucurbit aceae. Its fruit has horn-like spines, hence the name "horned melon". The ripe fruit has orange skin and lime-green, jelly-like flesh. It is native to Southern Africa, where it is a traditional food. Along with the gemsbok cucumber and the citron melon, it is one of the few sources of water during the dry season in the Kalahari Desert. This photograph, which was focus-stacked from 25 separate images, shows two C.metuliferus fruits, one whole and the other in cross-section. Photograph credit: Ivar LeidusRecently featured picturesCommunity portal The central hub for editors, with resources, links, tasks, and announcements. Village pump Forum for discussions about Wikipedia itself, including policies and technical issues. Site news Sources of news about using or editing Wikipedia. Help desk Ask questions about using or editing Wikipedia. Reference desk Ask research questions about using or editing Wikipedia. Help desk Ask questions about using or editing Wikipedia. Help desk Ask research questions about using or editing Wikipedia. Help desk Ask research questions about using or editing Wikipedia. Help desk Ask questions about using or editing Wikipedia. Help desk Ask research questions about using or editing Wikipedia. Help desk Ask questions about way to navigate the encyclopedia.Wikipedia is written by volunteer editors and hosted by the Wikimedia Foundation, a non-profit organization that also hosts a range of other volunteer projects: CommonsFree media repository MediaWikiWiki software development Meta-WikiWiki media project coordination. WikidataFree knowledge base WikinewsFree-content news WikiguoteCollection of quotations WikisourceFree-content library WikispeciesDirectory of species WikiversityFree learning tools WikisourceFree-content library WikispeciesDirectory of species WikispeciesDirectory of speciesDirectory listed below. 1,000,000+ articles DeutschEspaolFranaisItalianoNederlandsPolskiPortugusSvenskaTing Vit 250,000+ articles Bahasa IndonesiaBahasa MelayuBn-lm-gCataletinaDanskEestiEsperantoEuskaraMagyarNorsk bokmlRomnSimple EnglishSloveninaSrpskiSrpskohrvatskiSuomiTrkeOzbekcha 50,000+ articles AsturianuAzrbaycancaBosanskiFryskGaeilgeGalegoHrvatskiKurdLatvieuLietuviNorsk nynorskShqipSlovenina Retrieved from "2This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see 455 (disambiguation). This article is about the year 455. For other uses, see may be challenged and removed. Find sources: "455" news
newspapers books scholar JSTOR (April 2019) (Learn how and when to remove this message)Calendar yearYearsMillenniumCentury5thcentu leadersReligious leadersCategoriesBirthsDeathsDisestablishmentsvte455 in various calendar5205Balinese saka calendar376377Bengali calendar139 138Berber calendar1405Buddhist calendar999Burmese calendar183Byzantine calendar59635964Chinese calendar (WoodHorse)3152 or 2945to (WoodGoat)3153 or 2946Coptic calendar171172Discordian calendar1621Ethiopian calendar47448Hebrew calendar47448Hebrew calendar42154216Hindu calendar10455Iranian calendar167 BP 166 BPIslamic calendar171 BHJavanese calendar340341Julian calendar455CDLVKorean calendar2788Minguo calendar1457 before ROC1457Nanakshahi calendar1013Seleucid era766/767 AGThai solar calendar997998Tibetan calendar997998Tibetan calendar97998Tibetan calendar1457 before ROC1457Nanakshahi calendar1013Seleucid era766/767 AGThai solar calendar997998Tibetan calendar997 Julian calendar. At the time, it was known as the Year of the Consulship of Valentinianus and Anthemius (or, less frequently, year 1208 Ab urbe condita). The denomination 455 for this year has been used since the early medieval period, when the Anno Domini calendar era became the prevalent method in Europe for naming years. March 16 Emperor Valentinian III, age 35, is assassinated by two Hunnic retainers of the late Flavius Aetius, while training with the bow on the Campus Martius (Rome), ending the Theodosian dynasty. His primicerius sacri cubiculi, Heraclius, is also murdered. March 17 Petronius Maximus, former domesticus ("elite bodyguard") of Aetius, becomes (with support of the Roman Senate) emperor of the Western Roman Empire. He secures the throne by bribing officials of the imperial palace. Maximus appoints Avitus, most trusted general, to the rank of magister militum and sends him on an embassy to Toulouse, to gain the support of the Visigoths. He elevates his son Palladius to Caesar and has him marry Eudocia, eldest daughter of Valentinian III.May 31 Maximus is stoned to death by an angry mob while fleeing Rome. A widespread panic occurs when many citizens hear the news that the Vandals are plundering the Italian mainland. June 2 Sack of Rome: King Genseric leads the Vandals into Rome, after he has promised Pope Leo I not to burn and plunder the city. Genseric sacks the city for a period of two weeks. Eudoxia and her daughters, Eudoxia and Placidia, are taken hostage. The loot is sent to the harbour of Ostia and loaded into ships, from whence the Vandals depart and return to Carthage.July 9 Avitus is proclaimed Roman emperor at Toulouse, and later recognised by the Gallic army. He restores the imperial authority in Noricum (modern Austria) and leaves a Gothic force under Remistus, Visigoth general (magister militum), at Ravenna. The Ostrogoths conquer Pannonia and Dalmatia.Battle of Aylesford: Prince Vortimer rebels against the pro-Anglo-Saxon policies of his father, Vortigern. He is defeated in the battle at Aylesford (Kent). Hengist and his son Oisc become king of Kent. Horsa and Catigern, brother of Vortimer, are killed. The Britons withdraw to London (according to the Anglo-Saxon Chronicle).Skandagupta succeeds Kumaragupta I as ruler of the Gupta Empire (India). During his reign he crushes the Hun invasion; however, the expense of the wars drains the empire's resources and contributes to its decline.Gaero becomes king of the Korean kingdom of Baekje.[1]Earliest recorded date at Chichen Itza on the Yucatn Peninsula (Mexico) (approximate date).Barter economy replaces organized trade as Romans and other citizens desert their towns for the countryside, where they will be less vulnerable to barbarian raids (approximate date).The city of Vindobona (Vienna) is struck by an epidemic that spreads through the Roman provinces. The disease is probably streptococcus or a form of scarlet fever with streptococcus pneumoniae (approximate date).Rusticus, archbishop of Lyon (approximate date)Wang Baoming, empress of the Southern Qi (d. 512)March 16Valentinian III, emperor of the Western Roman Empire (b. 419)Heraclius, Roman courtier (primicerius sacri cubiculi)May 31 Petronius Maximus, emperor of the Western Roman EmpireBiyu of Baekje, king of Baekje, king of Baekje, king of Ireland (approximate date) Horsa, leader of the Anglo-Saxons (approximate date) Prosper of Aquitaine, king of Ireland (approximate date) and son of Vortigern (approximate date) Prosper of Aquitaine, king of Ireland (approximate date) and son of Vortigern disciple and Christian writer (approximate date)^ a b "List of Rulers of Korea". www.metmuseum.org. Retrieved April 20, 2019.Retrieved leaders3rdcentury4thcentury5thcentury0ecades300s310s320s330s340s350s360s370s380s390sCategories:Births Deaths Establishments Disestablishments Disestablishme numerals CCCI) to 400 CE (CD) in accordance with the Julian calendar. In the West, the early part of the century was shaped by Constantine the Great, who became the first Roman emperor to adopt Christianity. Gaining sole reign of the empire, he is also noted for re-establishing a single imperial capital, choosing the site of ancient Byzantium in 330 (over the current capitals, which had effectively been changed by Diocletian's reforms to Milan in the West, and Nicomedeia in the East) to build the city soon called Nova Roma (New Rome); it was later renamed Constantinople in his honor. The last emperor to control both the eastern and western halves of the empire was Theodosius I. As the century progressed after his death, it became increasingly apparent that the empire had changed in many ways since the time of Augustus. The two-emperor system originally established by Diocletian in the previous century fell into regular practice, and the east continued to grow in importance as a centre of trade and imperial power, while Rome itself diminished greatly in importance due to its location far from potential trouble spots, like Central Europe and the East. Late in the century Christianity became the official state religion, and the empire's old pagan culture began to disappear.[citation needed] General prosperity was felt throughout this period, but recurring invasions by Germanic tribes plagued the empire from 376[1][2] CE onward. These early invasions marked the beginning of the end for the Western Roman Empire. In China, the Jin dynasty, which had united the nation prior in 280, began rapidly facing trouble by the start of the century due to political infighting, which led to the insurrections of the northern barbarian tribes (starting the Sixteen Kingdoms period), which guickly overwhelmed the empire, forcing the Iin court to retreat and entrench itself in the south past the Yangtze river, starting what is known as the Eastern Iin dynasty around 317. Towards the end of the century, Emperor of the Former Oin, Fu Iin, united the north under his banner, and planned to conquer the Jin dynasty in the south, so as to finally reunite the land, but was decisively defeated at the Battle of Fei River in 383, causing massive unrest and civil war in his empire, thereby leading to the fall of the Former Qin, and the continued existence of the Eastern Jin dynasty. According to archaeological evidence correlates of state-level societies coalesced in the 4th century to show the existence in Korea of the Three Kingdoms (300/400668 CE) of Baekje, Goguryeo, and Silla. Historians of the Roman Empire refer to the "Long Fourth Century" to the period spanning the fourth century proper but starting earlier with the accession of the Emperor Diocletian in 284 and ending later with the death of Honorius in 423 or of Theodosius II in 450.[3]See also: Christianity Contemporary bronze head of Constantine I (r. 306337 AD)Early 4th century Former audience hall now known as the Basilica, Trier Germany, is built.Early 4th century The Gupta Empire is established.301: Armenia first to adopt Christianity as state religion.304439: The Sixteen Kingdoms in China begins.306337: Constantine the Great, ends persecution of Christians in the Roman Empire (see also Constantinian shift) and Constantinople
becomes new seat of Rome). Tikal had a population of about 100,000 when it was conquered by Teotihuacan, less than a fourth of its peak population[4]320: Butuan Boat One, the Oldest known Balangay, a multi-purpose ship native to the Philippines is built. 325328: The Kingdom of Aksum adopts Christianity. 325: Constantine the Great calls the First Council of Nicaea to pacify Christianity in the grip of the Arian controversy.335380: Samudragupta expands the Gupta Empire.337: Constantine the Great is baptized a Christian on his death bed.350: About this time the Kingdom of Aksum conquers the Kingdom of Kush.350400: At some time during this period, the Huns began to attack the Sassanid Empire.[2]350: The Kutai Martadipura kingdom in eastern Borneo produced the earliest known stone inscriptions in Indonesia known as the Mulavarman inscription written in the Sanskrit language using Pallava scripture.[5]Mid-4th century Wang Xizhi makes a portion of a letter from the Feng Ju album. Six Dynasties period. It is now kept at National Palace Museum, Taipei, Taiwan, Republic of China.365: An earthquake with a magnitude of at least eight strikes the Eastern Mediterranean. The following tsunami causes widespread destruction in Crete, Greece, Libya, Egypt, Cyprus, and Sicily.376: Visigoths appear on the Danube and are allowed entry into the Roman Empire in their flight from the Huns.378: Battle of Adrianople: Roman army is defeated by the Visigoth cavalry. Emperor Valens is killed.378395: Theodosius I, Roman army is defeated by the Visigoth cavalry. Emperor Valens is killed.378395: Theodosius I, Roman army is defeated by the Visigoth cavalry. (January 8), Tikal (January 16) and Uaxactun.Wall painting of the Council of Constantinople (381) in the Stavropoleos monastery, Romania381: First Council of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Constantinople reaffirms the Christian doctrine of the Trinity by adding to the creed of Nicaea.383: Battle of Fei River in China.395: The Battle of Fei River in Theodosius I dies, causing the Roman Empire to split permanently.Late 4th century: Cubiculum of Leonis, Catacomb of Commodilla, near Rome, is made.Late 4th century: Atrium added in the Old St. Peter's Basilica, Rome.For a more comprehensive list, see Timeline of historic inventions 4th century. The Stirrup was invented in China, no later than 322.[6][1]Kama Sutra, dated between c.400 BC to c. 300 AD.[7][8]Iron pillar of Delhi, India is the world's first Iron Pillar.[citation needed]Trigonometric functions: The trigonometric functions sine and versine originated in Indian astronomy.[9]Codex Sinaiticus and the Codex Vaticanus Graecus 1209, are the earliest Christian bibles.[10][11]Book of Steps, Syriac religious discourses.[citation needed]^ a b "The invention and influences of stirrup". Archived from the original on December 3, 2008.^ a b Roberts, J: "History of the World". Penguin, 1994.^ The Long Fourth Century 284450: Continuity and Change in the Later Roman Empire ed. S. McGill, C. Sogno and E. Watts (Cambridge 2008). "The Maya: Glory and Ruin". National Geographic Magazine. Archived from the original on April 9, 2008.^ "The Austronesians: Historical and Comparative Perspectives". ANU Press. Archived from the original on 2013-12-25. Retrieved 2013-04-29.^ Lee, Adela C.Y. "The stirrup and its effect on chinese military history". Silkroad Foundation.^ Sengupta, J. (2006). Refractions of Desire, Feminist Perspectives in the Novels of Toni Morrison, Michle Roberts, and Anita Desai. Atlantic Publishers & Distributors. p.21. ISBN 978-81-269-0629-1. Archived from the original on 4 May 2016. Retrieved 7 December 2014. Xakar, Sudhir; Doniger, Wendy (2003). Kamasutra. Oxford; Toronto: Oxford; Toront University Press. pp.xi. ISBN978-0-19-283982-4.^ Bag, A.K. (1979). Mathematics In Ancient and Medieval India. Delhi: Chaukhambha Orientalia. p.15.^ Aland, Kurt; Grand Rapids, Michigan: William B. Eerdmans Publishing Company. p.109. ISBN978-0-8028-4098-1.^ "Liste Handschriften". Mnster: Institute for New Testament Textual Research. Retrieved 16 March 2013. Retrieved from "4The following pages link to 4th century External tools(link counttransclusion countsorted list) See help page for transcluding these entriesShowing 50 items. View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500) List of decades, century (links | edit)16th century (links | edit)17th century (links | edit)18th century (links | edit)14th century (links | edit)1st century (links | edit)2th century (links | edit)2th century (links | edit)2th century (links | edit)4th BC (links | edit)432 (links | edit)200s (decade) (links | edit)310s (links | edit)310s (links | edit)320s (links | edit)310s (links | edit)310s (links | edit)320s (links | edit)320s (links | edit)321 (links | edit)310s (links | edit)310s (links | edit)310s (links | edit)310s (links | edit)320s (links | edit)310s (links | edit)310s (links | edit)310s (links | edit)320s (links | edit)320s (links | edit)320s (links | edit)310s (links | edit)310s (links | edit)320s (li (links | edit)286 (links | edit)476 (links | edit)4305 (links | edit)410 (links | edit)410 (links | edit)4305 (links | edit)430 public university for New South Wales in 1949, UNSW has remained dedicated to advancing the public good. Over 75 years of global change, we have worked to create a positive societal impact through transformative education, innovative research, and meaningful global engagement. In 2025, we are proud to launch the UNSW Strategy: Progression of global change, we have worked to create a positive societal impact through transformative education. for All alongside our inaugural Societal Impact Framework (SIF). Our fleet is built to meet a wide range of project needs. We offer trusted and specialized bridge access equipment for inspections, maintenance, and utility work. Whether its a tight clearance or a challenging span, we have the machine for your project. Planning a project with complex span, we have the machine for your project with complex span, we have the machine for your project. bridge access requirements? Leverage our industry knowledge and equipment insights. Well help you plan the best approach and select the ideal equipment, materials, and logistics, including any underbridge access requirements, to support your projects specific scope and timeline. Our expert crews handle the entire processfrom conduit installation, we provide ongoing inspection, monitoring, and maintenance services to protect your infrastructure and ensure long-term performance. Share copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt remix, transform, and build upon the material for any purpose, even commercially. The license terms. Attribution You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. 2018 - 2023Led the design and implementation of 5 major bridge projects. Managed a team of 10 engineers, resulting in successful completion of 5 major bridge projects. Managed a team of 10 engineers, resulting in successful completion of 5 major bridge projects. ensuring compliance with local regulations.2015 - 2018Worked on the design and analysis of bridge projects. Designed and analyzed over 30 bridge structures using SAP and CSI Bridge. Prepared detailed construction drawings and contract documents for 20+ projects. Coordinated with local agencies to ensure compliance with design standards and criteria.2012 - 2015Assisted in the planning and development of bridge projects. Assisted in the planning and development of 10 bridge projects. Collaborated with different teams to ensure smooth execution of projects. University of California, Berkeley2013 - 2014Bachelor's and proposals for various projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to
ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with execution of projects. Collaborated with different teams to ensure smooth execution of projects. Collaborated with Degree in Civil EngineeringUniversity of California, Berkeley2008 - 2012Managed over 20 large-scale bridge projects, ensuring they were completed on time and within budget. Proficient in using SAP, CSI Bridge, AutoCAD, and MicroStation for designing and analyzing bridge structures. In-depth understanding of Caltrans and local agency design standards, criteria, practices, and policies. Developed a unique bridge design that was patented and has been adopted in multiple infrastructure projects. Promoted to a leadership role within two years at ABC Engineers like to solve problems. If there are no problems. If there are no problems adopted in multiple infrastructure projects. Promoted to a leadership role within two years at ABC Engineers like to solve problems. handily available, they will create their own problems. Use This ExampleHow can financial brands set themselves apart through visual storytelling? Our experts explainhow. Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recent coverage. Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explainhow.Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recentcoverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' FavoritesHow can financial brands set themselves apart through visual storytelling? Our experts explainhow.Learn MoreThe Motorsport Images Collections captures events from 1895 to todays most recentcoverage.Discover The CollectionCurated, compelling, and worth your time. Explore our latest gallery of EditorsPicks.Browse Editors' Favorites Civil engineers design, build, and maintain major infrastructure projects, from stand-alone buildings to roads and highways, bridges, airports, stadiums, theme parks, and water and sewerage systems. day might look like. Consultants generally work in a standard office environment, designing projects with the assistance of software like AutoCAD and Rivet. Contractors often work on site, implementing designs in a more hands-on way and supervising the actual construction. To become a civil engineer, youll need at least a bachelors degree. From there, you can choose a specialization, undertake fieldwork, or pursue a masters degree. In some states, youll need to be professionally licenced, which requires a degree accredited by the Accreditation Board for Engineering and Technology (ABET). According to the Bureau of Labor Statistics, civil engineers can look forward to a median wage of \$93,720 and healthy employment prospects. Civil engineers design, construct, manage and maintain the infrastructure of modern society. Roads, railways, tunnels, buildings, bridges, airports, mines, dams, ports and harbours, water supply and sewerage systems and flood mitigation works are all shaped by civil engineers. Civil engineering is based on Maths, Mechanics and Physics but its also about creative problem-solving. While normally associated with the worlds largest buildings, civil engineers must also effectively adapt the infrastructure to complex solving. While normally associated with the worlds largest buildings, civil engineers must also effectively adapt the infrastructure to complex solving. opportunities for our graduates. Structural engineering underpins and sustains the built environment, ensuring structures are safe, serviceable, durable, aesthetically pleasing and economical. Structural engineers analyse and design all types of structures, including buildings, bridges, towers, marine structures, dams, tunnels and retaining walls. Theyre focused on the materials of construction and their ability to withstand various design loads. Structural engineers at UNSW are focusing implications of climate change and population growth, structural engineers at UNSW are focusing on new and improved low-emission materials and full life cycle assessment of infrastructure including real-time monitoring and recycling of structures. Construction engineering and management skills are vital to building real-time monitoring and recycling of structures. engineering and project management are about bringing the structural engineers designs to life. It involves organising and coordinating the people, equipment, materials and construction work can be done in an efficient, safe, financially viable and sustainable way. The construction of the structural engineers designs to life. It involves organising and coordinating the structural engineers designs to life. It involves organising and construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient, safe, financially viable and environmentally sensitive and sustainable way. The construction work can be done in an efficient work can be done in an efficient work can be done in an efficient. Sydney Metro, including train tunnels, bridges and new station caverns in a very congested and active city, is a very good example of the enormous, but rewarding, challenges that project engineers are concerned with any structure that is built on, through, or within the ground. They need to understand the engineering infrastructure. Commencing with educated assessments of the insitu geological conditions, geotechnical engineers work with Geologists to develop geotechnical models of engineering sites. These model for project design and advice. Geotechnical engineers deal with the ground, including tunnels, bridges, dams, buildings, roads, railways, mines and landfills. They also study landslides and earthquake resistant. Water engineering looks at how water interacts with all aspects of the built and natural environments. Water engineers investigate the way that dynamic natural systems such as rivers, estuaries and the coasts behave, as well as design infrastructure to store and direct water. Some of the challenges water engineers address include:rainfall and storm prediction modelling taking into account climate changewater supply needs in different parts of Australia: drinking water, water for industry and agriculture, including wastewater treatment, and water for the natural environment - this may include combinations of dams, groundwater, recycled water and desalinated waterflood prediction and management: one of the costliest natural disasters for Australiagroundwater management: water that lies in underground aquifers and deep in the soilcoastal management: how do we manage the coasts as sea levels rise, how do we effectively protect infrastructure, coastal groundwater resources and estuaries Transport engineering covers the behaviour, optimisation and management of transport engineers plan, design and operate the large public and private infrastructure systems that connect our physical world. Modern society depends on a broad range of continually evolving, large-scale transport engineers quantify and optimise our mobility infrastructure networks to meet travel and freight demands, while ensuring safety, equity and sustainability, at minimal levels of congestion and cost. Transport planning involves developing calibrated mathematical techniques for forecasting travel demand and commuter behaviour. This needs to be based on many challenging variables such as:population growthchanges from petroleum to electrical based powershare vehicles future technological advancesgovernment emissions policy changes. Transport engineers face multi-faceted design decisions, multiple performance measures, cost metrics and safety criteria must be considered and weighed. These might relate to:the physical expansion of transport facilities, such as lane width or the number of lanes, for a roadwaythe materials and thickness used in pavements the geometry of a facility, such as a roadway, rail line or air traffic, are designed to minimise travel delays, improve safety, reduce emissions and enhance reliability, as
well as taking other considerations into account. Transport operation decisions may involve optimising traffic signals, setting specific tolls, and designing traffic signals. for designing, constructing, and maintaining infrastructure such as dams, bridges, and roads. To stand out from the competition, you need a well-crafted resume that highlights your skills and experience. This guide will provide you with useful tips and examples to help you write a powerful civil engineer resume. You will learn how to create a persuasive summary statement, highlight your achievements, and show off your qualifications and experience. With this guide, you will be well on your way to landing your ideal civil engineering job. If you didnt find what you were looking for, be sure to check out our complete library of resume examples. Start building your dream career today! Create your professional resume in just 5 minutes with our easy-to-use resume builder! I am a Civil Engineer with 5 years of professional experience. I have developed successful projects for both private and public entities, and have a strong record of managing projects from start to finish. I am an organized and detail- oriented engineer, and I am eager to continue to use my skills in project management and design to complete successful projects. Core Skills: Geotechnical Engineering Structural Engineering Project Management Design and Construction CAD Software and Programs Organization and Attention to Detail Professional Experience: Projects from start to finish Developed successful projects for both private and public entities Managed engineering and design teams to complete projects on time and on budget Provided guidance and direction to team members Assistant Project development Managed design and construction efforts for multiple projects Provided oversight of engineering staff and subcontractors Monitored project progress and ensured timely completion Education: B.S. Civil Engineering graduate with a passion for designing and creating high- quality civil infrastructure projects. Equipped with the ability to think outside the box and a drive to find creative solutions to complex problems. Skills: knowledge of civil engineering principles and laws excellent communication and problem solving skills proficient in AutoCAD and other engineering principles and laws excellent communication and problem solving skills proficient in AutoCAD and other engineering software ability to work in a team and independently excellent organizational and time management skills Responsibilities: Assist in the design and construction of civil infrastructure projects Participate in site visits and inspections Collect data and analyze results Prepare detailed reports on project progress Support in the preparation of plans, drawings and specifications Monitor the project to ensure quality control and safety standards are met Motivated Civil Engineer with 2 years of experience in the construction and engineering project management, structural design, and analysis. Possess excellent problem- solving and communication skills with a commitment to providing high- quality results in a timely manner. Core Skills: Project Management Structural Design Engineering Analysis Problem Solving Resource Planning Communication Responsibilities: Developed engineering designs and plans using AutoCAD, Revit, and other software. with local building codes and regulations. Led all phases of projects from design to construction, including organizing and scheduling activities. Coordinated with vendors and supplies to obtain materials and supplies needed for projects. Monitored work progress and made adjustments as needed to ensure successful completion of projects. Trained and supervision, ensuring safety and quality production. Dedicated and results- driven Civil Engineer with five years of experience in engineering and project management. large civil engineering projects. Proven ability to manage projects from concept to completion, effectively coordinating multiple stakeholders, delivering projects and suppliers to ensure projects are completed within budget. Core Skills: Project Management Design and Construction Contract Negotiation Site Supervision Cost Estimation Quality Assurance Structural Analysis Responsibilities: Coordinated with design teams and timelines Supervised new construction, renovation, and repair projects Developed cost estimates and managed project budgets Performed structural analysis and created drawings Negotiated pricing with contractors and suppliers to ensure the best value for the project Prepared reports and documents detailing projects were completed on time and according to specifications Ensured compliance with relevant laws and regulations am a dedicated and detail- oriented civil engineer with 7 years of experience in the construction industry. I have a proven track record of designing and managing complex infrastructure projects that meet cost, quality and schedule goals. I have a strong passion for civil engineering and am committed to creating high- quality projects that benefit the local community. Core Skills: Project Management Structural Design Cost Estimation Safety Compliance Quality Assurance CAD Software Construction Documentation Responsibilities: Developed and managed construction projects to ensure adherence to safety regulations and industry best practices. Conducted structural analysis and design calculations to ensure compliance with applicable building codes and standards. Prepared detailed cost estimates and budgets for infrastructure projects. accuracy and consistency with project specifications. Utilized CAD software to create models and drawings for construction projects. Conducted research and field surveys to determine the best solutions to meet project timelines. Developed and maintained relationships with contractors, suppliers, and other stakeholders. I am a Civil Engineer with more than 10 years of experience in the field. I have a strong background in project management, design and construction, along with a proven track record of successful projects. My core skills include problem solving, research and analysis, project management, planning, and design. I have a passion for building and have been a part of projects. Furthermore, I have a thorough understanding of legal regulations, industry standards, engineering data and overseeing the construction of projects. large and small projects throughout my career. Core Skills: Project Management Problem Solving Research and Analysis Planning and Design Data Analysis Planning and Design Data Analysis Legal Regulations Industry Standards Engineering Construction of projects Managing budgets, timelines and personnel Ensuring projects meet relevant standards and regulations Creating and implementing effective strategies Conducting research and developing reports Improving existing systems and processes Providing technical guidance and support A highly experienced Civil Engineer with 15 years of experience in the planning, designing, and construction of civil engineering projects. Adept at managing tight deadlines and working in fast paced construction environments. Possessing excellent problem- solving and project management skills, and a proven ability to work with a variety of stakeholders. Committed to upholding high standards of safety and quality, and ensuring that construction projects are completed on time and within budget. Core Skills: Highly adept at planning and designing of civil engineering tools and techniques Capable of managing tight deadlines Experience in budgeting and forecasting Strong interpersonal and communication skills Ability to work with stakeholders Focused on upholding high standards of safety and quality Reviewed and assessed contractors contracts and bids Prepared projects and standards Provided technical and operational support to stakeholders Tracked progress of projects and kept stakeholders up- to- date Managed and resolved customer laints Performed site inspections to ensure compliance with regulations and standards In addition to this, be sure to check out our resume formats, cover letter examples, job description, and career advicepages for more helpful tips and advice. A civil engineer resume should include a summary of relevant experience. It should highlight your experience in the field. Additionally, it should include specific skills that highlight your abilities and knowledge. The following should be included in a civil engineering industry. Education: Your educational background, including any projects you have worked on and the skills you used. Skills: A comprehensive list of your technical and soft skills that are relevant to civil engineering. Professional affiliations: Any relevant professional organizations you belong to. Achievements: Any awards or accolades you have received in your career. Publications: Any relevant professional organizations you belong to accolades you have received in your career. having a well-crafted resume, you can showcase your knowledge and experience to potential employers and stand out from the rest. A good summary for a Civil Engineer resume should also showcase a candidates ability to design and manage complex construction projects from start to finish, as well as their familiarity with the latest engineering technologies and building codes. Additionally, the summary should demonstrate an applicants capacity for troubleshooting and problem-solving, along with the ability to collaborate with architects and contractors to ensure project success. A successful summary will demonstrate a candidates commitment to safety, quality, and deadlines. .Blog: Are you a Civil Engineer looking to create a resume that will get you noticed? A well-crafted resume objective can help you stand out from the competition and land the job of your dreams. So what should a good objective for a Civil Engineer resume look like? Here is an example
of a strong Civil Engineer resume objective: A highly motivated Civil Engineer with 5+ years of experience in all aspects of civil engineer resume objective. excellent problem-solving and communication skills. Seeking a position as a Civil Engineer where I can utilize my skills and knowledge to contribute to a successful project. A good resume objective should be specific to the position and provide an overview of your qualifications. It should also be succinct and to the point, as employers typically only read the first few sentences of a resume. When crafting a resume objective, be sure to include any relevant experience or skills that you possess. Additionally, highlight any awards or certifications that you have received as they will show employers that you have received as they will show employers that you possess. objective to the specific job for which you are applying. Doing so will show employers that you have taken the time and effort to craft a targeted resume that is tailored specifically to their needs. By following these tips, you can create a powerful and compelling resume objective that will help you stand out from the competition and get noticed by potential employers. With a well-crafted objective, you will be one step closer to landing the job youve always wanted. When writing your resume as a civil engineer, you should emphasize the skills that make you stand out from other applicants. Making sure that the skills you list are relevant to the position you are applying for is essential. Here are some of the most important civil engineering skills to include on your resume: Project Management: Civil engineers must be able to manage complex projects and coordinate multiple teams in order to ensure successful completion. Technical Writing: Civil engineers must be able to clearly communicate ideas and technical considerations in written documents. Research: Civil engineers must be able to conduct research and analysis in order to develop new designs and solutions. Team Collaboration: Civil engineers must be able to effectively collaborate with other engineers and stakeholders to achieve project goals. CAD: Civil engineers must be able to use computer-aided design programs to create and visualize designs and documents. Leadership skills in order to guide and motivate teams. Technical Knowledge: Civil engineers must have a deep understanding of engineering principles and construction processes. Site Evaluation: Civil engineers must be able to assess sites for their suitability for specific projects. Civil Engineers are responsible for designing, construction projects such as dams, bridges and roads. qualifications on your resume is essential for a successful job hunt. To help you craft the perfect resume for a Civil Engineers are responsible for managing large-scale projects from start to finish, so its essential that you demonstrate that you have the ability to manage time, resources and personnel effectively. Technical Skills: Civil Engineers need to be able to understand complex engineering principles, as well as have mastery of design software and other tools used in the field. Make sure to list all the tools and software youre familiar with on your resume, such as AutoCAD, GIS, and structural modeling programs. Problem Solving: Civil Engineers are often faced with challenging situations that require creative problems. Leadership: Show that you have the leadership skills necessary to lead a team and motivate those around you to reach the projects objectives. Communicate both verbally and in writing. Attention to be able to communicate complex information to their teams, clients and stakeholders in a clear and concise manner. Make sure to highlight your ability to effectively communicate both verbally and in writing. attention to detail in order to ensure that the project is completed safely and to the highest standards. Demonstrate your ability to review and accuracy. By highlighting these skills on your resume, you are sure to stand out from the competition and get the job youve been dreaming of. Good When crafting a resume for a civil engineer, there are a few key takeaways to keep in mind. The most important takeaway is to thoroughly explain your experience and qualifications. Your resume should highlight the specific skills you have acquired over the course of your career and emphasize how you can improve the company or organization you are applying to. It is also beneficial to include any certifications or awards related to your profession. In addition, a civil engineer resume should prioritize showcase your software and engineer resume software and engineer software and engine experience with project management, cost estimating, and inspection should also be highlighted. Finally, to make sure to include as well. Doing so will demonstrate your commitment to your field and showcase the breadth of your knowledge. In conclusion, a civil engineer resume should focus on showcasing your technical skills, any relevant experience, and any additional activities or certifications. Doing so will make your resume stand out and demonstrate to employers that you would be an asset to their organization. Mendeley brings your research to life, so you can make an impact on tomorrow Search over 100 million cross-publisher articles and counting Popular searches: COVID-19 Bioenergy Obesity Create a free account

How to make cv for engineering students. Civil engineering resume summary. How to make resume for civil engineering students. How to make cv civil engineering destination. Civil engineering resume examples. How to write experience in resume for civil engineer. How to write civil engineering cv. Format of cv for civil engineers.