



Arifcan Yilmaz

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● ABOUT ME

I am a dedicated and skilled Civil Engineer with a Master's degree specializing in Geotechnics. With extensive knowledge and hands-on experience in using advanced design programs such as PLAXIS, Slide, and Settle 3D, I excel in applying geotechnical engineering principles to real-world projects. I am well-versed in various design codes and standards, including Eurocode, ASTM, FHWA, and BS, ensuring compliance and precision in all my work.

My strong analytical skills and result-oriented approach consistently deliver effective solutions that meet project goals and exceed client expectations. My outgoing personality and collaborative nature enable me to work seamlessly with multidisciplinary teams, fostering a productive and innovative work environment.

● WORK EXPERIENCE

17/05/2022 – CURRENT Ankara, Türkiye

CIVIL ENGINEER MINISTRY OF TRANSPORT AND INFRASTRUCTURE

Mersin-Adana-Osmaniye-Gaziantep High Speed Train Project

Geotechnical Engineer in the Mersin-Adana-Osmaniye-Gaziantep High Speed Train Project including over 43 bridges and viaducts, 256 culverts, and 86 under/overpasses with a total length of 315 km.

- Field observation, interpretation of drilling logs, determination of soil parameters, creation and modeling of idealized soil profile, calculating soil and pile bearing capacity, settlement and liquefaction analyses,
- Geotechnical design and stability analysis of shallow foundations, piled foundations, railway embankments, deep excavations, cut&cover etc.
- Analysis and calculations of ground improvement methods such as Deep Soil Mixing, Jet-Grout, Stone Column, geosynthetics,
- Good understanding of Eurocode 7, BS 8006-1, FHWA, ASTM, etc.
- Preparing relevant documentation packages.

Department Railway Construction Department | **Website** <https://aygm.uab.gov.tr/>

20/11/2017 – 01/09/2020 Istanbul, Türkiye

CIVIL ENGINEER ELVAN ADVERTISING ARCHITECTURE CONSTRUCTION LTD.

Town Hall and Underground Market Project, Türkiye

- Designing geotechnical structures such as retaining walls and foundations,
- Interpretation of drilling logs, determination of soil parameters, calculating soil bearing capacity, settlement and liquefaction analyses and reporting.
- Designing reinforced concrete buildings with SAP2000, material and section definitions, loads and load combinations definitions, static and nonlinear dynamic analysis of structures,
- Creating and controlling the production sheets with AutoCAD, making the necessary revisions, and presenting them to the field ready for production

21/07/2016 – 01/01/2017 Istanbul, Türkiye

INTERN ENGINEER SG ENGINEERING AND CONSULTANCY

Turkmenbashi Shipyard Project, Turkmenistan

- Designing steel hangar buildings with SAP2000, making material and section definitions, defining loads and load combinations, static analysis of structures, etc.

- Modeling the analyzed buildings with the Tekla Structures, creating welded and bolted connections, defining steel structural elements, and creating production sheets
- Controlling the production sheets with AutoCAD, making the necessary revisions and presenting them to the field ready for production

Steel Structure Projects

- Modeling the analyzed buildings with the Tekla Structures, creating welded and bolted connections, defining steel structural elements, and creating production sheets

● **EDUCATION AND TRAINING**

01/02/2021 – 24/02/2022 Southampton, United Kingdom

MASTER'S DEGREE IN CIVIL ENGINEERING University of Southampton

I accomplished Railway Engineering and Operations, Highway and Traffic Engineering, Transport, Energy & the Environment, Energy Resources and Engineering, Advanced Structural Engineering, Transport Management and Safety, Earthquake Engineering and Seismic Design of Steel Buildings and Data Analysis & Experimental Methods for Civil Engineering lectures with good marks.

Field of study Civil Engineering | **Final grade** Merit |

Thesis Evaluating Empirical Railway Track Bed Design Methods in Comparison with Classical Soil Mechanics Static Theories of Bearing Capacity

28/08/2014 – 17/10/2017 İstanbul, Türkiye

BACHELOR'S DEGREE IN CIVIL ENGINEERING Yildiz Technical University

Strength of Materials I-II, Material Science, Fluid Mechanics, Structural Analysis I-II, Construction Materials, Soil Mechanics, Hydraulics, Steel Structures, Highway Engineering, Railway Engineering, Foundation Engineering, Reinforced Concrete I-II, Urban Infrastructure System Hydraulics, Dynamics of Structures, Geotechnical Earthquake Engineering, Construction Management, Dams, Bridges, Computer Applications in Structural Engineering, Steel Structure Design, Reinforced Concrete Structure Design, Reinforced Concrete Structures, and Foundation Design

Thesis Design of a 23-story Reinforced Concrete Building Using Structural Analysis Programs (ETABS, SAFE).

● **LANGUAGE SKILLS**

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Plaxis 2D | Slide | Settle3D | GeoStudio Slope/W | AutoCAD | CSI SAP2000 | Microsoft Office (Outlook, Excel, Word, PowerPoint) | Tekla Structures | CSI ETABS

● **NETWORKS AND MEMBERSHIPS**

Memberships

- Soil Mechanics and Geotechnical Engineering Association
- Chamber of Young Construction Engineers
- Construction Chamber- Yildiz Technical University
- Corum Educator Industrialists and Businessmen Solidarity Association, 2015-2017 / Student Presidency, 2017-2019 / Board Member
- IAESTE

● CONFERENCES AND SEMINARS

01/09/2022 – 30/09/2022 Online Platform

Training Course on Bridge Construction Technology for the "Belt and Road" Countries

I completed the "Training Course on Bridge Construction Technology for the 'Belt and Road' Countries" sponsored by the Ministry of the Commerce People's Republic of China, organized by the International Economic Cooperation Center of Fujian Province.

● HONOURS AND AWARDS

01/11/2019

Selection and Placement of Students to be Sent Abroad to Find Graduate Education – Ministry of National Education

In 2019, I was awarded one of the most important student scholarships to be sent abroad with an official scholarship status to meet the qualified human needs of public institutions, provided by the Ministry of National Education.

● MANAGEMENT AND LEADERSHIP SKILLS

Board member of a non-governmental organization

Throughout my university life, I worked at various levels in a non-governmental organization that provides financial and moral support to university students. I started as a scholarship student and later became the president of student clubs and a board member. During my 5-year period, we opened an art center with musical instruments and painting equipment in a primary school. I also managed the financial and operational processes of an event where 100 students visited the 5 Balkan countries for 8 days. In this process, I represented the association on the screens by giving a speech on a local television channel. I still lead the speaking clubs that we have established for the personal development of students.

Link <https://www.youtube.com/watch?v=gdw00BpjSUg&t=588s>

● VOLUNTEERING

15/07/2023 – CURRENT University of Southampton

Graduate Ambassador

As a Graduate Ambassador at the University of Southampton, where I graduated, I volunteered to stay in touch with students and support them in every way they might need during their education period.