ESRA AYDOGAN

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EDUCATION

Applications Programming and Data Science
UCLA Extension | Los Angeles, CA   Jan 2023 – Sept 2023

Certificate earned, relevant courses: SQL, Data Science Fundamentals, Exploratory Data Analysis and Visualization, Machine Learning with Python, Big Data Management

Civil Engineering
Middle East Technical University | Ankara, Turkey   Sept 2015 – Aug 2021

B.S., Civil Engineering; scored top 1 percentile in the national college entrance exam.

PROFESSIONAL

Graphic Design
UCLA International Institute | Los Angeles, CA   Jan 2022 – Sept 2022

- Prepared layouts, designs, artwork, and formats for publication and exhibition design.
- Created infographics.
- Proficient in Visme and Adobe Photoshop.

Research Internship
Middle East Technical University | Ankara, Turkey   Jun 2020 – Sept 2020

- Implementation of an algorithm that generates Purkinjee networks within the human heart using Matlab.
- Used Monte Carlo simulations to demonstrate its effectiveness in generating denser and more compact Purkinje networks on irregular heart surfaces.

Application Development and Support
Digita Information Technologies | Ankara, Turkey   Jun 2019 – Sept 2019

- Proposed a streamlined, comparative accounting approach in Smartrise.
- Emphasized the goal of increasing efficiency while minimizing costs with construction software.

CERTIFICATIONS

UX Design
Google Professional Certificate   Aug 2022 – Aug 2023

Applications Programming, UCLA Extension Certificate

SKILLS

Languages
Turkish (Native), English (Fluent), German (Intermediate)

Technologies

Python, R, SQL, Java, Figma, Adobe CC, SPSS, HTML, CSS, MS Office, CAD, MATLAB, SAP2000, SewerGEMS

ACTIVITIES

Acting Studio • Turkish Folklore Club • METU Fencing Team • Gardening

REFERENCES

Kaya Mentesoglu, IT Manager

UCLA International Institute | kaya@international.ucla.edu