

SERRA Z. DANE

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Education

University of Colorado Boulder, **Bachelor of Science in Computer Science** 2024

- GPA: 4.00/4.00

Courses: Autonomous Systems, Advanced Data Structures, Introduction to Data Science, Human Computer Interaction

Minor: Philosophy, GPA: 4.00/4.00

Activities: Member of Tau Beta Pi and Turkish Student Association

Middle East Technical University, Ankara, Turkey, **Bachelor of Science in Computer Engineering** 2022

- GPA: 3.47/4.00 and ranked 20% in class

Courses: Data Structures, Discrete Computational Structures, C Programming, Programming Language Concepts,

Statistics, Algorithms, Data Management and File Structures, Computer Organization, Signals and Systems

Skills: Python, OpenCV, Numpy, Sklearn, TensorFlow, Machine Learning, Neural Networks, C, C++, Java, Dart, Flutter, HTML, CSS, SQL, Haskell, Linux

Languages: English (Fluent), Turkish (Native)

Experience

Research Assistant, *University of Colorado, Boulder* January 2023 - Present

- Studying modeling and analysis of autonomous cyber-physical systems, with applications to artificial pancreas devices for type 1 diabetes treatment under the supervision of Prof. Sriram Sankaranarayanan

Research Assistant, *University of Michigan, Ann Arbor* July 2023 - August 2023

- Studied identifying hybrid systems from the driving data to classify driving behaviors, under the supervision of Prof. Necmiye Ozay.

Research Assistant, *UMRAM, Ankara, Turkey* September 2021 - July 2022

- Developed a deep learning approach via TensorFlow with Convolutional Neural Network (CNN) to classify autism spectrum disorder and typical control participants and had a 93% accuracy, under the supervision of Prof. Tolga Cukur

Software Developer Intern, *V-Count Technology, Ankara, Turkey* August 2021 - October 2021

- Developed a gender recognition software via TensorFlow based on convolutional neural networks (CNN) with help of V-Count's demographic data collection

Software Developer Intern, *Monday Hero, Istanbul, Turkey* July 2020 - August 2020

- Created a mobile app connects towing trucks and cars named Go Assist in a team of 3 and solely responsible for frontend components with Dart and Flutter

Certificates

12th Summer School on Formal Techniques and FMITF Bootcamp, *SRI, Menlo Park CA* June 2023

Leadership Experience

Facilitator, *#IamRemarkable, Ankara, Turkey* January 2022 - Present

- Empowering women and underrepresented groups to speak openly about accomplishments in the workplace and beyond via 3+ workshops

Ambassador, *Women Techmakers (WTM), Ankara, Turkey* December 2021 - Present

- Managed 7+ events, public speaking, creating content, and mentoring to empower communities

Co-Founder, *Dolunay, Ankara, Turkey* March 2020 - Present

- Founded an independent, online platform for women to discover the potential and improve themselves
- Hosted 200+ career talks and workshops to inspire women especially high-school students and improve in various areas

Board Member, *METU Book Club, Ankara, Turkey* September 2020 - September 2022

- Organized 10+ events including fundraising, panels with up to 100 audiences and book donation events for kids and helped build libraries

Board Member, *METU Classical Turkish Music Club, Ankara, Turkey* September 2019 - September 2020

Organized 10+ concerts with up to 500 audiences, played oud in a band named Nevniyaz at 5+ concerts