Furkan **Aldemir**

furkan | furkanaldemir@gmail.com | furkanaldemir | furkan.github.io

Experienced Data Analyst looking for a full time job starting from now

Experience

Team Lead
Novit.AI

Oct 2023 - Present
Ankara, TR

- Lead a tech team of six engineers and ensured efficiency from individuals.
- Oversaw development of a telemetry server for deployed devices.

Leadership Architect

Machine Learning Engineer
Novit.AI

Mar 2022 - Oct 2023
Ankara, TR

- Refactored and maintained a legacy embedded AI camera system.
- Owned and automated client managements of reverse SSH and VPN servers, for deployed devices.
- Investigated, figured out, and documented how to use the TAK interface.
- Accumulated know-how in the form of clear documentation.
- Helped renovate the website of the company.
- Improved setup speeds of a project by containerizing the installation of drivers.
- Maintained a data extraction pipeline that uses an undocumented third party API.
- Constructed projects to convert image segmentation results into more usable formats.

PyTorch Docker AWS GitHub Actions

Research Assistant
METU Heart Research Laboratory

Oct 2020 - Mar 2022
Ankara, TR

- Worked with my thesis advisor on TUBITAK funded projects:
  - Application of Bayesian Estimation Methods to Electrocardiographic Imaging: Prior Model Selection and Reduction of Noise Effects
  - Performance Evaluation of Noninvasive Electrocardiographic Imaging for the Localization of Premature Ventricular Contractions from Clinical Data

Machine Learning Engineer Intern
Darkblue Telecommunications

Summer 2019
Ankara, TR

- Trained a road detecting model with CNNs and tested it on videos from a drone.

Electronics Engineer Intern
AirCar Corp

Summer 2019
Istanbul, TR

- Ensured the safety of electronic components and researched battery management systems.

Electrical Engineer Intern
ELTEMTEK

Summer 2018
Ankara, TR

- Designed and modeled new electric distribution networks for several districts in Turkey.

Education

Master of Science in Electrical - Electronics Engineering
Middle East Technical University

2020 - 2023
Ankara, TR

- Thesis: Geometric model error reduction in inverse problem of electrocardiography
- Course: CENG501 Deep Learning
- CGPA: 3.11/4.00

Bachelors of Science in Electrical - Electronics Engineering
Middle East Technical University

2016 - 2020
Ankara, TR

- CGPA: 3.53/4.00

Publications

Aldemir, F., & Dogrusoz, Y. S. (2021). Compensation of Model Errors in Electrocardiographic Imaging Using Bayesian Estimation. *2021 Computing in Cardiology (Cinc)*, *48*, 1–4. https://ieeexplore.ieee.org/abstract/document/9662933

Skills

Languages	German (Beginner) | Spanish (Beginner)
Tech Stack	Tableau | Python (Pandas/Numpy) | PostgreSQL
Personal Interests	Swimming | Cooking | Reading