

ABDULLAH ENES YAMAN

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Education

Hacettepe University

2020 – Present

Bachelor of Science in Artificial Intelligence Engineering

3.05 GPA

Relevant Coursework

- Data Structures
- Discrete Structures
- Algorithms
- Computer Systems
- Data Science
- Artificial Intelligence
- Machine Learning
- Computer Vision
- Deep Learning
- Robotics
- Formal Languages & Automata Theory

Experience

Selvi Technology

June 2023 – September 2023

Artificial Intelligence Intern

- Conducted research and projects on image processing, focusing on semantic segmentation and object detection.
- Gained proficiency in Docker and worked with SAM (Segment Anything Model) and Segformer (Nvidia) models.

Selvi Technology

October 2023 – Present

Artificial Intelligence Engineer – Part Time

- Spearheaded the end-to-end development of key components for an unmanned ground vehicle project, focusing on road detection, obstacle identification, and terrain mapping, showcasing advanced problem-solving in computer vision and AI.
- Played a pivotal role in dataset augmentation and synthetic dataset generation, significantly enhancing the model's accuracy and reliability for real-world applications.
- Gained valuable experience with ROS, boosting object detection capabilities in autonomous drive projects, and contributing to the development of a highly responsive and aware unmanned system.
- Utilized Python for the majority of development work, integrating PCL and Eigen libraries for C++ to process and analyze 3D spatial data, demonstrating proficiency in multi-language software development.

Projects

Estimating Residential Solar Potential from Satellite Images | *Python, SegFormer, DeepRoof dataset* 2024 - Github

- Developed a machine learning model to estimate the solar potential of residential rooftops from satellite images.
- Implemented SegFormer for precise rooftop segmentation and utilized the DeepRoof dataset for model training.
- Analyzed rooftop orientations to provide insights into the viability of solar panel installations, aiming for energy sustainability.

tempIMS: Inventory Management System | *Java, JavaFX, CSS*

2022 - Github

- Designed a comprehensive inventory management system to facilitate efficient business operations.
- Integrated barcode scanner support for inventory tracking and sales process automation.
- Implemented real-time monitoring of financial data and stock levels, along with workforce management features.

Technical Skills

Languages: Python, Java, C++, SQL

Frameworks/Tools: Docker, ROS, PCL, Torch, Numpy, Sklearn

Technologies: Linux, GitHub, Jira, Confluence