HAKAN ERGIN

JUNIOR AI/ML DEVELOPER

PYTHON
Pandas
Numpy
Scikit-Learn
Pytorch/Tensorflow
FlaskAPI
OpenCV

JAVASCRIPT
Typescript
React.js / native
Node.js
GraphQL / Apollo

DATABASES
MongoDB
SQL
Neo4j

OTHERS
CLI - Linux
Docker
Google Cloud
Git - Github
ROS

3D MODELING
zBrush
Maya
3dsMax
AutoCAD

CERTIFICATES
3D modeling
3D animation

EDUCATION
High-school graduate

LANGUAGES
Turkish (Native)
English (Professional)
French (Basic)
Spanish (Basic)
Italian (Basic)

NATIONALITY
Turkish
Italian

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About

In 2019 I started learning programming. Two bootcamps and two internships later; I am looking for a well-suited position to invest my efforts and work on exciting, valuable projects. I value organised work environments, project management and teamwork.

Dev Experience

MACHINE LEARNING DEVELOPER @ Treedy's
Python, Data Science | 2022 (May - On-going)
R&D: Modifying existing system and conduct repeatable experiments in order to optimise company product.
Analysis: Visualizing and analysing R&D experiments.
ML and Computer vision: Working with depth-sensors and investigating effects of different setups on existing algorithms.
Other: Refactoring/improving legacy code-base, diagnose and trouble-shooting for customer product, general development tasks.

INTERNSHIP @ uWare Robotics
Computer vision and Machine learning | 2022 (3 mo.)
Computer vision and 3D pose estimation with fiducial markers:
Using the Apriltags for assessing and verifying the IMU sensor errors coming from underwater autonomous vehicle (UAV).
- **R&D** - In-depth analysis of the library and its implementations on academic papers. Study of pose estimation and frame translations.
- **Application** - Implementing a test pipeline using ROS, for benchmarking the system. Satisfying the requirements; such as, ability to detect Apriltags at target speeds, distances and angles, as well as its accuracy in estimations.
- **Analysis** - Creating measured videos and passing them through the test pipeline creating data-sets and analysing/visualising results to help making business desicions.
Machine learning/Deep learning:
Implementing convolutional neural networks, taking advantage of transfer learning and comparing their results with existing algorithms.

BOOTCAMP @ BeCode
Artificial Intelligence / Data Science | 2021 (7 mo.)
Data - Web scraping, data analysis, preprocessing and visualization.
Machine Learning - Algorithms, optimization and model evaluation.
Deep Learning - Natural Language Processing, Computer Vision, Neural networks.

PROJECT @ Bike Theft Tracker
Personal project with community value | 2020 (5 mo.)
Developed and released my first real-life application on Android and released onto Google Play Store.

INTERNSHIP @ Speech Act Services
Mobile Application Development | 2020 (5 mo.)
Developing a full-stack mobile application while taking responsibility in every aspect of the project, from planning to designing, developing and deploying.

BOOTCAMP @ HackYourFuture
Web Development and Programming Basics | 2019 (7 mo.)
Fundamental training on full-stack web technologies: HTML, CSS, JavaScript (NodeJS, ReactJS), Databases

Other

TECHNICIAN @ Telenia SRL.
Display technologies technician | 2016 (6 mo.)

ASSISTANT MANAGER / FRONT DESK @ Hush Hostels
Co-management and customer services | 2015 (1.5 yrs.)

SOUND TECHNICIAN @ Acik radio
Live broadcast technician | 2012 (3 yrs.)