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

CERTIFICATES
Web development
Machine learning
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 me

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.

Experience in software developing

MACHINE LEARNING DEVELOPER @ Treedy's
Python, Linux | 2022 (May - On-going)
Project: Improving company product: 3D (RGB-D) Scanner with assistance of Deep Learning for inferring body measurements under garment.
R&D: Conducting repeatable experiments and creating data for analysis.
Development: Designing and developing software for various tasks/projects. Deploying/documenting and maintaining.
Computer vision: Working with depth-sensors and cameras.
Project management: Implementing project breakdown analysis, documentation and other tools for technical product management.
General IT tasks: Server setup, maintenance, trouble-shoot and customer facing technical assistance.

INTERNSHIP @ uWare Robotics
Computer vision and Machine learning | 2022 (3 mo.)
Computer vision and 3D pose estimation with fiducial markers:
Project: Using fiducial markers (Apriltags), assessing and verifying the IMU sensor errors coming from underwater autonomous vehicle (UAV).
R&D - In-depth analysis of the library and its implementations. Study of pose estimation and frame translations.
Application - Implementing a testing and benchmarking pipeline using Apriltags & ROS. Satisfying the requirements such as; ability to detect markers at target speeds, distances and angles, as well as its accuracy in estimations.
A**nalysis** - Validating targets via measured videos and resulting data. Analysing/visualising conclusions to help making business desicions.
Deep learning:
Experimenting with convolutional neural networks, taking advantage of transfer learning and comparing results with existing algorithms.

BOOTCAMP @ BeCode
Artificial Intelligence / Data Science | 2021 (7 mo.)
Data - Web scraping, data analysis, preprocessing and visualization.
M**achine 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 Experience

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.)