



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

CONTACT

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Experience in software development

SOFTWARE DEVELOPER @ Treedy's

Machine learning and software development | **2022** (May - ongoing)

PROJECT: Improving company product: 3D (RGB-D) Scanner with assistance of Deep Learning for inferring body measurements under garment.

- **Analysis:** Repeatable experiments and creating data.
- **Development:** Designing and developing software for various tasks/projects. Deploying/documenting and maintaining.
- **Computer vision:** Working with rgb-d sensors and point clouds.
- **Project management:** Product breakdown analysis, documentation, kanban boards and other tools for technical project management.
- **General IT tasks:** Setup, maintenance, trouble-shoot and client (another technical team) facing assistance and collaboration.

INTERNSHIP @ uWare Robotics

Computer vision and Machine learning | **2022** (3 mo.)

PROJECT: Experiments with fiducial markers (Apriltags) in order to assess and verify positional sensory information coming from underwater autonomous vehicle.

- **R&D** - Analysis of the library and its implementations. Pose estimation and frame translations.
- **Application** - Implementing a testing and benchmarking pipeline using Apriltags & ROS. Aimed at satisfying requirements, ie; ability to detect markers at target speeds, distances and angles, as well as its accuracy in estimations.
- **Analysis** - Validating ideas via measured tests and videos. Analysing/visualising conclusions.
- **Deep learning** - Experimenting with convolutional neural networks.

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 by taking responsibility in every aspect of the project, from planning to deploying.

BOOTCAMP @ HackYourFuture

Web Development and Programming Basics | **2019** (7 mo.)

Foundational programming training with full-stack web technologies: HTML, CSS, JavaScript (NodeJS, ReactJS), Databases

Other Experience

TECHNICIAN @ Telenia SRL.

Various company specific IT tasks | **2016** (1 year)

ASSISTANT MANAGER / FRONT DESK @ Hush Hostels

Co-management and customer services | **2015** (1.5 yrs.)

SOUND TECHNICIAN @ Acik radio

Live broadcast technician and maintenance | **2012** (3 yrs.)