



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

+32 465835109
hakan.ergin@gmail.com
hakanErgin
hakan-ergin
1060 Saint Gilles, Brussels

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.)

- 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.

Analysis - Validating targets via measured videos and resulting data.

Analysing/visualising conclusions to help making business decisions.

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.

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 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.)