



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

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

EDUCATION High-school graduate

CONTACT

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

NATIONALITY Turkish
Italian

About

In 2019 I started learning programming. Two bootcamps, two internships and many little programs later; today, as I am completing my internship based on computer vision and machine learning at a robotics startup, I am looking for a well-suited position to invest my efforts in and dig deeper into these fascinating fields.

IT experience

INTERNSHIP @ uWare Robotics

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

- **Machine learning/Deep learning tasks involved;**

Improving existing image classification model by image enhancement techniques.

Implementing convolutional neural networks by taking advantage of transfer learning and comparing their results with existing algorithms.

- **Computer vision and 3D pose estimation tasks involved;**

Working with the fiducial marker library Apriltags for assessing and verifying the IMU sensor errors of underwater autonomous vehicle.

Research - In-depth analysis of the library and its implementations and the academic papers. Study of pose estimation and frame translations.

Application - Creating a test pipeline using ROS for benchmarking the system based on requirements; such as ability to detect Apriltags at target speed, distances and angles, as well as its accuracy in estimations.

Realization - Recording measured videos and passing them through the test pipeline to create data sets. Analyzing and visualizing results.

BOOTCAMP @ BeCode

Artificial Intelligence / Data Science | 2021 (7 mo.)

Data - Web scraping, data analysis, preprocessing and visualization.

Machine Learning - Prediction algorithms and procedures i.e. regression, classification, model evaluation.

Deep Learning - Natural Language Processing, Computer Vision and 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 deployed 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 programming: 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.)