



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

EDUCATION High-school graduate

CERTIFICATES 3D modeling
3D animation

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

CONTACT

☎ +32 465835109
✉ hakan.ergin@gmail.com
🌐 hakanErgin
📄 hakan-ergin
📍 1060 Saint Gilles, Brussels

Summary

In 2019, I started to pursue a long-time interest in informatics and started learning programming. An adventure of bootcamps, internships and many little programs later; I am completing my internship based on computer vision and robotics and I am looking for a well-suited opportunity to invest my efforts in and dig deeper into these fascinating fields.

IT experience

INTERNSHIP @ uWare Robotics

Computer vision | **2022** (4 mo. - ongoing)

- Worked on improving existing image classification model by image enhancement techniques. (WIP)
- Worked with the fiducial marker library Apriltags in purpose of assessing its usability for verifying the IMU sensor errors of underwater autonomous vehicle:

Research - In-depth analysis of the library and its implementations, the papers released by the authors and other papers that used and compare similar techniques. Study of pose estimation and frame translations.

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

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

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.

INTERNSHIP @ Speech Act Services

Mobile Application Development | **2020** (5 mo.)

Developing a full-stack mobile application under the supervision of a senior developer while taking responsibility in every aspect of the project, from design to planning and developing.

BOOTCAMP @ HackYourFuture

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

Fundamental training on 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.)