

PEDRO AZEVEDO

Data Scientist

@ pedroazevedo6@gmail.com (+351) 963075767 Porto, Portugal [in linkedin.com/in/pedro-azevedo/](https://www.linkedin.com/in/pedro-azevedo-/)
[Github](#) medium.com/@pedroazevedo6 Languages: English (C1 TOEFL), Portuguese (Native), Italian (Basic), Spanish (Basic)

EXPERIENCE

Jr Artificial Intelligence Consultant

Neoception GmbH - Pepperl Fuchs

📅 August 2022 – Present

- Expertly researched, **developed**, and **deployed** advanced complex **Machine Learning models/pipelines** on Edge devices, achieving industry-leading **millisecond latency performance**.
- Developed MVPs that **secured new funding** and clients in a €100,000,000 market for 4.0 Logistics.
- Expertise in Computer Vision / IoT Sensor Data Anomaly Detection / Time Series analysis/ Forecasting and Full-Stack development

Research Fellow / Dissertation

Laboratory of Automation and Robotics | University of Aveiro

📅 February 2022 - August 2022

- Researched in **Deep Learning** in the self-driving car **ATLASCAR2** in the department of mechanical engineering of the University of Aveiro.
- Developed and deployed novel SOTA **Object Detection and Tracking** algorithms using **Pytorch** and **TensorRT**.

Machine Learning / Computer Vision Engineer

Automec - University of Aveiro

📅 February 2021 – Present

University Organization competing in **RC Autonomous Driving**

- Implemented OpenCV algorithms and Multiple Neural Networks with Tensorflow/Keras.
- Increased model performance by more than 20% since I joined.

PUBLICATIONS

YOLO Based Object Detection and Tracking for Autonomous Vehicles using Edge Devices -**Iberian Robotics Conference pp 297–308 Springer**

PROJECTS

AWS MLOps Workflow 🔄

AWS Sagemaker / Pytorch / Python

- End-to-end workflow with Training jobs / Lambda functions / ETL.

Production Ready Classifier Pipeline 🔄

AWS Sagemaker / Pytorch / Python

- Industry-level deployment of classifier for deployment for real-life production scenarios.

Space-X Rocket crash prediction 🔄

Web-scraping ETL Predictive modeling Data analysis Scikit-Learn / Pandas / Plotly

- End-to-End Full-Stack Data Science project. From data scrapping, ETL, predictive modeling, and storytelling.

EDUCATION

Master Mechanical Engineering

University of Aveiro

📅 September 2017 – July 2022

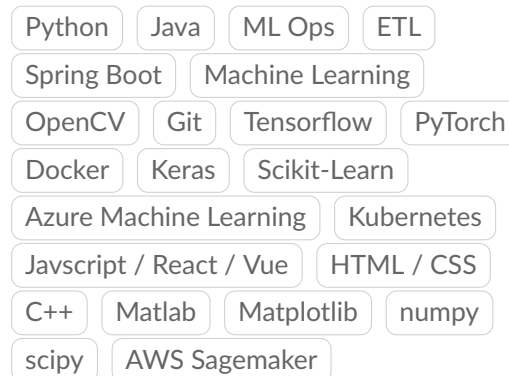
Specialization: Computer Vision and Deep Learning

Master Automation, Cybernetics, and Robotics

Erasmus Gdańsk Politechnika

📅 September 2021 – March 2022

SKILLS



PROFESSIONAL CERTIFICATES

- Azure AI Engineer Associate
- IBM Professional Data Scientist
- Practical Data Science on the AWS Cloud
- Machine Learning Engineering for Production (MLOps)
- Machine Learning Specialization
- AWS Machine Learning Foundations

ACHIEVEMENTS

- Tutored more than 30,000 people with my Deep Learning explanations on **Medium**
- AWS ML Udacity Scholar 2022
- 1st Place Google Startup Weekend Aveiro edition
- Eestec Machine Learning Hackathon 1st place regionals and competed in European stage
- SONAE Hackathon: 1st place. Developed accessibility solutions to mobile banking for blind people