

DIEGO CABO

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WORK EXPERIENCE

University of Groningen - Teaching Assistant

January 2020 - June 2020

- In charge of the computer lab for the practical sessions, clarifying doubts regarding the assignments.
- Helped students with problems in their code. Had to help with a wide range of ML/DL projects (CNNs, RNNs, NLP, Reinforcement Learning, k-NN, random forests...). Used PyTorch, TensorFlow, Scikit-learn and Matlab.
- Graded lab reports.

For master level courses: Machine Learning and Deep Learning

GMV - Software engineer

February 2018 - September 2018

- Provided L3 troubleshooting and support for the satellite control system.
- As part of the L3 engineering team I worked on customer-reported problems, identified the root cause and applied fixes for them using C++ and Java.
- Worked in a collaborative environment following an Agile methodology.

Entrol - Simulation engineer

January 2017 - February 2018

- Alongside my mentor, I modeled the behavior of a new flight simulator based on the aircraft's flight manual and recorded real-time flight data.
- Programmed the behavior of multiple specific aircraft subsystems in C++.
- In charge of the simulator's Hardware/Software integration.
- Generated the pertinent documentation for the different simulated aircraft subsystems.
- In charge of assembling and configuring a simulator on the client's warehouse.

Airbus - Internship

February 2016 - April 2016

Worked in ProtoSpace department, a place designed for rapid prototyping of ideas.

- In charge of 3D printing (carbon/glass/kevlar fiber and plastic).
- Collaborated in a project about RFID carbon fiber parts traceability. Helped solving problems of shadowing due to carbon fiber properties.
- Participated in the design of a dynamic illuminating LED matrix, for the logo of the company on the tail of a plane.

EDUCATION

University of Groningen - M.S., Artificial Intelligence

September 2018 - October 2020

- Thesis: Hierarchical Reinforcement Learning Approach to Lifelong Learning

University Carlos III of Madrid - B.S., Electrical Engineering

September 2012 - May 2016

- Thesis: Integrated Stereo Vision platform for 3D scene reconstruction with GPU parallel processing (CUDA using NVIDIA Jetson TK1)

SKILLS

Reinforcement Learning · Deep Learning · Machine Learning · Robotics · Computer vision · NLP · Python · C/C++ · Java · Matlab · PyTorch · TensorFlow · Keras · Scikit-learn · SciPy · ROS · Dask · Luigi · Google Cloud Platform · AWS · Docker · Django · MongoDB · Cassandra

LANGUAGES

- English (Fluent)
- Spanish (Native)