

Pietro Girotto

pietrogirotto00@gmail.com ❖ github.com/gp-1108 ❖ linkedin.com/in/pietro-girotto ❖ pi.gp-apps.org

WORK EXPERIENCE

Uber

Feb. 2024 - 3 months

Automation Specialist Intern

Krakow, Poland

- Deployed and maintained tools serving nations-wide EMEA markets.
- Executed end-to-end problem-solving projects mainly in **Python** and **SQL**, from requirements gathering to post-deployment support.
- Discovered and dealt with bugs in legacy code that were affecting as much as **40% of the user base**.
- Drove improvements for version control (**Git**) policy changes in my department.
- Achieved exclusively **maximum ratings** in stakeholders' satisfaction, delivery time and communication.

EDUCATION

University of Padova - Master in Artificial Intelligence

Sep. 2022 - Close to finish

Master's Degree in Computer Engineering

Padova, Italy

- Weighted grades' mean of 29.27/30, corresponding to a **GPA of 4.0**.
- Hands on experience in **Machine Learning** frameworks and concepts. Fine-tuning of deep learning models for domain specific purposes in **PyTorch** and **TensorFlow** (Computer Vision, Natural Language Processing).
- Further refined my programming skills with **C++**, Python and **Java** projects. Gained knowledge and experience in Big Data frameworks such as Apache Spark (Java) and image manipulation (OpenCV).
- Took part in several development team projects, also **led a team of 10** colleagues to achieve maximum exam grade on a real business case.

University of Padova - Department of Information Engineering

Sep. 2019 - 3 years

Bachelor's Degree in Computer Engineering

Padova, Italy

- Final grade: 110/110 with honors, GPA 4.0 and **top 3%** of my course of study.
- Experimental thesis about Integer Linear Programming exploring alternatives to SotA models.
- Solid foundation in computer science with hands-on experience in **full-stack** web development (React, JS, Express, NodeJS, Google Cloud) and more traditional languages (C++, Java, C).
- Strong academic background, excelling in CS courses as well as key engineering subjects.

PROJECTS

Occluded people image detector

PYTHON, FLASK, C++, HTML5, CSS, PYTORCH, COMPUTER VISION (CV)

Optimized a Machine Learning model to detect occluded people for live analysis of sports scenes. [[Code](#) | [Demo](#) | [Report](#)]

Gym slot automated booker

JAVASCRIPT, REACTJS, HTML5, FIREBASE, GCP

Created a bot to automatically book my access to my own gym, paired with a handy website for ease of use. [[Code](#) | [Demo](#)]

My own topic-specific Chatbot

PYTHON, LLM, HUGGING FACE, PYTORCH, NATURAL LANGUAGE PROCESSING (NLP)

Developed my own chat assistant specialized in providing information about Kendrick Lamar. [[Code](#)]

AI Playing Snake

PYTHON, FLASK, HTML5, CSS, TENSORFLOW, REINFORCEMENT LEARNING (RL)

Trained from scratch my reinforcement learning neural network to play the Snake game. [[Code](#) | [Demo](#) | [Report](#)]

VOLUNTEERING EXPERIENCE

Croce Verde Padova

Feb. 2022 – Present

Taken part consistently in emergency ambulance service in my town, dealing with high stress environments and situations.