Pietro Girotto

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EDUCATION

University of Padova - Master in Artificial Intelligence and Robotics   **Sep. 2022 - Now**
Master's Degree in Computer Engineering   *Padova, Italy*
- Weighted grades' mean of 29.09/30, corresponding to a GPA of 4.0.
- Hands on experience in Machine Learning frameworks and concepts. Created a model capable of predicting respiratory disease mortalities based on air pollutants, fine-tuning of deep learning models for domain specific purposes in PyTorch (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).
- Several development team projects, as well as Project Management courses.

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.
- Weighted grade's mean of 29.34/30 corresponding to a GPA of 4.0, top 3% of my course of study.
- Wrote an experimental thesis about Integer Linear Programming, comparing new modeling techniques to SotA results and implementing them in Python, Pyomo.
- Strong CS-related foundational knowledge:
    o Experience in front-end (React, JS) and back-end (Express, NodeJS) development as well as deployment on Google Cloud services for web apps.
    o Completed multiple courses with top grades, including Operating Systems, Artificial Intelligence, Programming, Computer Networks and Databases. Extensive usage of C and Java programming languages.
- Gained proficiency in fundamental engineering subjects such as calculus, advanced linear algebra, physics, and control systems.

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 in Python, from requirements gathering to post-deployment support.
- Discovered 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.
- Consistently achieved maximum rating for customers' satisfaction, delivery time and communication.

LANGUAGES

Italian (native); English (C1 - IELTS certified);

VOLUNTEERING EXPERIENCE

Green Cross Padova   **Feb. 2022 – Present**
Medical Assistance Volunteer for emergency situations.   *Padova, Italy*

Scout of Europe   **Jan. 2010 – Present**
Part of the Scouts of Europe organization since I was 8. I have participated in multiple volunteering experiences since then.