Andrea Giovanni Perozziello

Curriculum Vitae

Academic Qualifications

EPFL École Polytechnique Fédérale de Lausanne — *Master in Computer Science* — Sept. 2021 - Jul. 2024

USI Università della Svizzera Italiana — *Bachelor in Informatics Science* — Sept. 2015 - Jan. 2020

Work Experience

eProd Nairobi, Kenya — *Intern*   Aug. 2023 - Feb. 2024

– Led a transformative agri-tech integration project, pioneering data-driven farming advice through strategic partnerships. Focused on coordinating data integration and enhancing advisory systems, establishing a scalable model that significantly improved sustainable and optimal farming practices in East Africa. (Python, Delphi).

EPFL Lausanne, Switzerland — Object Oriented Programming *Teaching Assistant*   Feb. 2023 - Jul. 2023

– Teaching OOP basics during exercise sessions. Individually coordinating and evaluating seven C++ final projects of fourteen students.

T&O Italia Milan, Italy — *Junior Software Developer*   Sept. 2019 - Jan. 2022

– Served as an iOS developer for CRM and order entry systems, autonomously implemented a software that has been patented by the company, and worked on an image processing project with a sister company (Objective-C, Swift).

Projects

Master Thesis Project : MyFoodRepo – Enhancing Personalized Nutrition with LLM Integration
Digital Epidemiology Lab   *Advisor: Prof. Marcel Salathé*

– Integrated a Large Language Model into MyFoodRepo, a personalized nutrition app. Enhancing dietary logging accuracy through AI feedback and developing a conversational agent for tailored dietary advice. Planned a pilot study at EPFL, enhancing user engagement and advancing digital health tech (Python, SQLite).

Master Semester Project : EcoLens – Raising awareness around food habits
Data Science Lab   *Advisor: Prof. Robert West*

– A mobile application providing clear and objective information about food served on campus and its impact. The user is able to check every menu, with an ecological impact score, and is rewarded when choosing low-impact dishes. A ranking system for the university's students and faculties is also implemented (Swift, Java, MySQL).

Bachelor Thesis Project : Visualising and Monitoring Ecosystems in a Mobile App
Software Institute   *Advisor: Prof. Gabriele Bavota*

– Monitoring softwares' quality and specific information at the same time, at any time, by querying software informations (from GitHub), and quality metrics (computed on tools developed in the context of Object-Oriented systems) (Swift, Java, MySQL).

Languages

Italian: Mother tongue — **English**: Advanced — **Spanish**: Advanced — **French**: Intermediate

Computer skills

Programming Languages
Expert Swift, Java, Python, C++
Confident Go, C, Objective-C, Javascript
Familiar Ruby, Haskell, Delphi

Frameworks
Cocoa, SwiftUI
OpenAI, Flask
Pandas, Numpy
OpenCV

Operating Systems
iOS, iPadOS, macOS
Linux
Windows

Other Skills
Shell
GIT, SVN, Docker
MATLAB
MySQL, SQLite, MongoDB

Birth date: 15/10/1995 — Nationality: Italian — My LinkedIn Profile
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