
Gabriele Oliaro

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Education

HARVARD UNIVERSITY

S.B. Electrical Engineering. GPA 3.8

Relevant Coursework: Computer Systems, Feedback and Control, Linear Algebra, multivariable Calculus, Calculus-based physics, General Chemistry

Cambridge, MA

May 2021

ISTITUTO LEONE XIII

High School diploma in Classics. Final grade 100/100

Relevant Coursework: Ancient Greek, Latin, History, Philosophy, Literature

Milan, Italy

July 2017

VASHON ISLAND HIGH SCHOOL

Exchange Student. GPA: 4.0

SAT: 1520 (790M, 730V). SAT Subject Tests: 800 (Math II), 800 (Physics), 800 (Latin)

Seattle Area, WA

Sept. 2015 – July 2016

Work and Research Experience

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES

Teaching Fellow

- Teaching Assistant for Harvard's Introductory Computer Science course, CS50.
- Lead weekly 1h15min-sections to a group of ~20 students, hold office hours, grade problem sets and exams
- Contributed to hosting & organizing course-wide events such as the CS50 Puzzle Day, the CS50 Hackathon and CS50 Fair, where students showcase their final projects.

Cambridge, MA

Aug. – Dec. 2018

POLITECNICO DI MILANO

Research Assistant

- Research assistant with Prof. Andrea Bonarini of the Artificial Intelligence and Robotics Lab (AirLab)
- Worked on a research project that used state-of-the-art machine learning techniques to improve tracking of human people by a moving robot.
- Wrote Python implementation of an overlapping mixture of Gaussian Processes to generate human motion profiles from potential leg detections from sensors onboard a moving robot.

Milan, Italy

May – Aug. 2018

Projects

Let's Meet!

Nov – Dec 2017

- iOS app that enables users to instantly find people with whom they can study, eat lunch and do other activities – all without worrying about bothering people who don't happen to be available to study or hang out at the same time as you
- Designed app in XCode, wrote code in Swift, set up a MySQL online database to maintain the user data

SGAST (Series Graphing and Solving Tool)

Sept – Dec 2016

- Java app that helps high school and college students learn infinite series.
- Designed app in Eclipse, wrote code in Java.

Skills & Interests

Programming: C, C++, Python, Java, Mathematica, Matlab, Swift

Operating Systems: Microsoft Windows, Mac OS & iOS, Linux & Android, ROS (middleware)

Applications & Tools: Microsoft Office, Xcode, Pycharm

Languages: Italian (Native Speaker), Ancient Greek, Latin

Interests: Reading, Travelling, Cooking. Sports: Swimming, Running, Trekking, Snorkeling, Scuba Diving.