Andrew Mascillaro

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EDUCATION

OLIN COLLEGE OF ENGINEERING
BS Electrical and Computer Engineering
Expected Jun 2023 | Needham, MA

HIGH TECHNOLOGY HIGH SCHOOL
Pre-Engineering High School
#1 STEM High School in the US
Grad. Jun 2019 | Lincroft, NJ
Cum. GPA: 96.17 (out of 100)

LINKS

Github:// **intermezzio**
LinkedIn:// **andrew-mascillaro**
Devpost:// **intermezzio**

COURSEWORK

UNDERGRADUATE
Quantitative Engineering Analysis
Sustainability
Fundamentals of Robotics
Sensors, Instrumentation, and Measurement

HIGH SCHOOL
Computer Software for Engineers
Engineering Design and Development

SKILLS

SOFTWARE
Very Experienced:
Java ☑ • Python ☑ • JavaScript
HTML/CSS • LaTeX • MATLAB ☑
Autodesk Inventor • Git ☑
Experienced:
C++ • SQL • Hugo • ROS • PHP ☑
Bash • MongoDB • JQuery • JSON ☑

☑ = LinkedIn Certified

LANGUAGES
Native or Bilingual:
English • Spanish
Basic Fluency:
Italian

EXPERIENCE

MIT BEAVER WORKS | Teaching Assistant
July 2019 – Aug 2019 | Cambridge, MA
- Analyzed aerial images in Python using OpenCV
- Taught students **Python**, **Computer vision**, **Linux**, **Bash**, **SSH**, and **Git**
- Built two websites - overall course and aerial image processing

ICIMS | Software Engineering Intern
Sep 2018 – Jan 2019 | Holmdel, NJ
- Worked on **localization** practices for iCims by changing key names in the language resource bundles
- Programmed a script to parse the source code using **Python** and **Java** to search for keys, providing a detailed change list for the company to follow

PROJECTS

MACHINE LEARNING LIP READER | Frontend Lead
PennApps (UPenn Hackathon) | September 2019
- Collaborated to develop a lip reader using computer vision and machine learning using **Python**, **Flask**, **Tensorflow**, **Materialize**, and **Google Cloud API**
- Hosted the site using AWS at `https://speakinto.space`
- **Top 10 finalist** hackathon project (of 250) and #1 Google Cloud Based Project

MENTORS IN TECH PLATFORM | Project Lead And Developer
HackPrinceton (Princeton University Hackathon) | November 2019
- Built a platform that connects mentors and mentees
- Created using **Python**, **Flask**, **MongoDB Atlas**, **JQuery** and **Bootstrap**

DIVESTMENT | Full Stack Developer
Yale Hackathon | October 2019
- Created a budgeting application that recommended a customized stock portfolio with a net zero carbon footprint
- Programming using **Python**, **Selenium** (web scraping), **Flask**, and **Bootstrap**

SAE FORMULA ONE RACING | Electrical Engineer
Olin College | August 2019 - Present
- Building an electric car from scratch with a team of engineers
- Created a **PCB design** and programmed it in **C** to measure suspension travel

AUTONOMOUS DRONE | Computer Vision Developer
MIT Beaver Works | July - August 2018
- Programmed a drone using **Python** and **ROS** to autonomously fly through a path and avoid obstacles
- Attended lectures from prominent engineers and workers in relevant industries

TECHNOLOGY STUDENT ASSOCIATION | Structural Engineer
High Technology High School | September 2016 - June 2018
- Designed a **CAD model** and built a scale model **bridge** out of Balsa wood
- **Two-time state champion** and national semifinalist (**top 20 nationally**)