Andrew Mascillaro

https://intermezzio.github.io
amascillaro@gmail.com | 908.670.6619

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
GPA: 96.17 (out of 100)

LINKS

GitHub:// **intermezzio**
LinkedIn:// **andrew-mascillaro**
Devpost:// **intermezzio**
StackOverflow:// **intermezzio**

COURSEWORK

Quantitative Engineering Analysis
Computer Architecture
Microelectronic Circuits
Sustainability Synthesis
Fundamentals of Robotics
Sensors, Instrumentation, and Measurement

SKILLS

SOFTWARE

Very Experienced:
Java ✓ • Python ✓ • JavaScript
HTML ✓/CSS • LaTeX • MATLAB ✓
Autodesk Inventor • Git ✓ • OOP ✓
Experienced:
C++ • SQL • Hugo • ROS • PHP ✓
Bash • MongoDB • JQuery • JSON ✓
Learning:
Node.js • React.js • NLP • Julia • C

✓ = LinkedIn Certified

LANGUAGES

Native or Bilingual:
English • Spanish
Basic Fluency:
Italian
Learning:
Hindi • Gujarati • French

EXPERIENCE

MIT BEAVER WORKS | Teaching Assistant

July 2019, 2020 – Aug 2019, 2020 | Cambridge, MA

- Taught students how to use computer science for natural disaster response
- Analyzed aerial imagery in Python using Deep Learning, Pillow, and OpenCV
- Taught students about **Python**, **3D Image Reconstruction**, **Neural Networks**, **Data Processing**, **Bash**, **SSH**, and **Git**
- Built three websites, one for the 2019 overall course, one for the 2020 overall course, and one for the aerial image processing project

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

ML TERMS OF SERVICE SUMMARIZER | Cloud Engineer

PennApps (UPenn Hackathon) | September 2020 | https://autotos.me

- Trained an ML model to summarize terms of service agreements using **Tensorflow**, **NLP**, **RoBERTa** and **Google AI Platform**
- #1 Google Cloud Based Project

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**
- **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**

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**)