

# 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  
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 •  $\text{\LaTeX}$  • MATLAB   
Autodesk Inventor • Git 

Experienced:

C++ • SQL • Hugo • ROS • PHP   
Bash • SQL • MongoDB • JQuery

 = 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**)