Andrew Mascillaro

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Personal Site: https://intermezzio.github.io/   (908)-670-6619

LinkedIn: https://www.linkedin.com/in/andrew-mascillaro/   amascillaro@gmail.com

Education	**Olin College of Engineering** Needham, MA	May 2023

- BS in Electrical and Computer Engineering
- Recipient of 50% tuition merit scholarship

High Technology High School   Lincroft, NJ   June 2019

- #1 STEM High School in the United States
- Concentration in Computer Science and Software Engineering

Employment   **MIT Beaver Works Summer Institute**   Cambridge, MA   07/2018, 07/2019

- Assisted with designing and teaching a four-week course for high school seniors focused on programming in Python for crisis response and recovery
- Programmed a Raspberry Pi to take aerial images while flying on a kite and presented image analysis using OpenCV and Flask
- Taught lessons on Python, Git, and Raspberry Pi communication
- Built a website (https://bwsi-hadr.github.io/00-course-overview/) to fully document the course, including lessons for the students and information for instructors regarding how to teach the new course
- Previously participated in a four-week course at the same summer program automating a UAV using Python and ROS

iCims   Holmdel, NJ   09/2018 - 01/2019

- Worked at iCims, a talent acquisition company in Bell Works (previously Bell Labs)
- Involved in a semester long high school mentorship program focused on using Python and Java for localization of iCims' resource bundles

Activities   **Tutor / Mentor**   Freehold, NJ   09/2016 – 05/2019

- Tutored middle and high school students in C++, Math, English, Spanish, and Chess

HTHS Chemistry Labs   Lincroft, NJ   03/2018 - 05/2018

- Programmed a client-side web application to calculate summative data for chemistry labs, providing data visualization

Outreach   **Monmouth Worship Center**   Marlboro, NJ   09/2014 – Present

- Taught Sunday School through dynamic, engaging lessons
- Volunteered as a head camp counselor
- Wrote and presented sermons as a youth group leader

Programming   Full stack developer using Python, Java, C++, and JS along with other languages
Experience with Git as well as Unix and Bash scripting
Experience in Arch and Debian-based Linux as well as Windows

Languages   Spanish, Italian

Achievements   **PennApps (UPenn) Hackathon**   Philadelphia, PA   September 2019

- Worked with a team to design a Lip Reader using Python and Machine Learning
- Top 10 finalist overall and #1 Google Cloud based project

Technology Student Association   Lincroft, NJ   09/2017 – 04/2019

- Built scale models of bridges out of Balsa wood as part of a high school competition
- Two-time national semifinalist ranked amongst the most efficient bridge models