

Matthew W. Carroll

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Education

Georgia Institute of Technology, Atlanta, GA

Expected May 2022

- Candidate for Bachelors in Computer Science

North Haven High School, North Haven, CT

June 2018

- High School Diploma with High Honors, GPA: 4.809/5.00 (weighted)
- Top Ten Student

Technical Skills

Python (Proficient) - Strong understanding of python, especially in web scraping, including selenium and requests.

Java (Proficient) - Experience from AP Computer Science and Introduction to Object-Oriented Programming (In Progress).

HTML5 and CSS (Familiar) - Remodeled webpages based off of graphic design mockups.

GIT (Familiar) - Used to make testing branches, push changes, and merge branches to master.

MacOS - Extremely familiar with interfaces and navigating within the OS.

3D Printing - Comfortable working with and troubleshooting issues with filament based 3D printers.

Work Experience

Klaviyo, Boston, MA

July 2017 - August 2017

Computer Science Intern

- Worked on remodeling pages on the Klaviyo website. Implemented mobile support for the "Klaviyo vs. competitor" pages, and others, as well as collaborated to implement new user functionality, like search, in the blog.
- Created a python script that scraped websites to collect data on who uses competing services. Used git to work with the website and implement changes. Implemented Requests, Selenium, and urllib to parse web pages and HTML.
- Impacted the company by giving collected data to the marketing team which allowed them to better target different company products to potential customers.

The Eli Whitney Museum, Hamden, CT

October 2013 - Present

Senior Apprentice

- Prepared and taught classes for children ranging from six to fourteen in Python, 3D printing, Scratch, as well as a wide range of wood working and creative classes.
- Well versed in properly leading campers from a wide age range and comfortable handling stressful parental situations.
- Lead other employees as well in packaging products and running camps.

Personal Projects

Messaging Between a Computer and Phones

- Used Python to send and receive automated messages between any mobile device and a computer.
- Utilized SMS Gateways to send messages to phones via email.
- Implemented poplib and smtplib on the computer side in order to send and receive messages.

Stock Data Checker

- Employed Robinhood Python API to look at and compare stock prices and test different potential trading methods in an attempt to find profitable patterns.
- Allows the tester to use parameters, like trading after a one percent dip, on the test data collected. Currently under development to enable closing price listings for the past two years in order to use moving average trading methods

Leadership

VEX Robotics

December 2017 - March 2018

- Vice President in 2017 and 2018. Founding member.
- Built the club up to the point of prototypes and taught other members building and programming processes involved

Honors

- Rotary Scholarship, Rotary Student of the Month, SCC Scholar-Athlete of the Year, SCC Scholar Athlete (eight seasons)