

AIDAN LYNCH

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Seeking a software engineering co-op/internship for the summer and/or fall of 2020.

EDUCATION

Rochester Institute of Technology — B.S. in Computer Science | Rochester, NY *Exp Graduation: May 2023*
GPA: **3.94** Dean's List: *Fall 2019*

Related Courses: CS for AP students • Mechanics of Programming •
CS Theory • Discrete Mathematics for Computing • Probability & Statistics

SKILLS

Programming: Java • Python • C • C++ • HTML • CSS
Tools & Frameworks: Git/Github • MySQL • Visual Studio • JetBrains • Unix Systems • Vim

PROJECTS

Personal Website: *HTML, CSS, JavaScript, Git* *December 2019 - Present*

- Designing a website to showcase myself and my work.
- Learning the basics of HTML, CSS, and JavaScript to create coherent, styled pages.
- Making use of JavaScript for dynamically changing the contents of pages.

Amazon Price Tracker: *Python, MySQL, Git* *August 2019 - November 2019*

- Developed graphical program that graphs the price of products on Amazon.
- Utilized MySQL databases to store data scraped from Amazon product pages.
- Researched web scraping to efficiently pull data from a web page's HTML.

Security Camera: *Python, Git, Raspberry Pi* *July 2019 - August 2019*

- Designed security camera to detect motion with computer vision algorithms.
- Optimized image processing functions to run calculations and minimize performance loss on small processors.
- Made from Raspberry Pi Zero and Raspberry Pi Camera Module.

Drone: *C++, Git, Raspberry Pi & Sensors, Group project* *September 2018 - May 2019*

- Constructed a drone and wrote the supporting software from scratch.
- Executed on Raspberry Pi with input from radio controller.
- Researched motor controlling using electronic speed controllers and reading and writing data registers using I2C.

Calendar: *Java* *February 2018 - July 2018*

- Designed graphical calendar application that allowed user to input events and sort them by various categories.
- Created server code to save events via socket communication.
- Implemented built-in Java GUI elements from java.awt.

ACTIVITIES

Computer Science House, Member *August 2019 - Present*

A special interest community at Rochester Institute of Technology based on academic and social excellence. With a strong focus on collaboration and projects, Computer Science House helps members become better developers and better people.

RIT Rocket League eSports Team, Member *August 2019 - Present*

Players dedicate at least 8 hours weekly to meet team requirements. Compete in collegiate level in tournaments in the north-eastern district.

FIRST Robotics, Programmer *August 2015 - May 2018*

High school robotics program that involves building and programming a robot to accomplish a set of tasks. The programming team was responsible for building the necessary software to operate the robot on the field. The software was written using Java and made heavy use of the Object Oriented programming paradigm.