AIDAN LYNCH

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Seeking a software engineering co-op/internship for the spring and/or summer of 2021.

EDUCATION

Rochester Institute of Technology — B.S. in Computer Science | Rochester, NY *Exp Graduation: May 2023*
GPA: **3.97** Dean's List: *Fall 2019, Spring 2020*

Related Courses: Analysis of Algorithms • Concepts of Computer Systems • CS Theory • Introduction to Software Engineering • Mechanics of Programming

SKILLS

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

EXPERIENCE

Freelance Web App Development: *React, Konva, Express, MongoDB* *July 2020 - September 2020*
- Designed a web application satisfying the product owner's functional and non-functional requirements.
- Utilized the Express framework and MongoDB to save application state for later viewing.
- Collaborated with colleague and utilized collaborative developmental strategies.

PROJECTS

Personal Website: *HTML, CSS, JavaScript, Git* *December 2019 - February 2020*
- Designed a website for outreach and networking.
- Learned the basics of HTML, CSS, and JavaScript to create coherent, styled pages.

Amazon Price Tracker: *Python, MySQL, Git* *August 2019 - November 2019*
- Developed graphical program that graphs the price of products on Amazon.
- Utilized MySQL database to store data scraped from Amazon product pages.
- Researched web scraping to efficiently pull data from a web page's HTML code.

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.