

Education

Boston College

B.S. in Computer Science

GPA: 3.9 Major GPA: 4.0

Dean's List First Honors.

Aug 2018 – May 2021 (exp.)

Skills

Languages

JavaScript

TypeScript

Java

Python

C++

C

SQL

Bash

HTML + CSS

Technologies

Linux

Git

Node.js

React + Redux

Deck.gl

Express

NGINX

MongoDB

MariaDB

PostgreSQL

Awards

Hack the Heights

First Place

Apr 14 2019

Hack Haverhill

First Place

Nov 17 2018

BC Hacks

Grand Prize; Hacker's Choice

Nov 11 2018

Codestellation

Best Web/Mobile Hack

Nov 4 2018

MIT Battlecode

Finalist

Feb 2018

Experience

Rocket Software

Software Engineering Intern

Waltham, MA

Jun 2019 – Present

- Built a new page in Newton, a Zowe (Open Source Mainframe Project) mainframe application, to filter and search for objects in a Db2 database, visualize and explore their hierarchical relationships, and define "Collections" of many objects.
- Implemented Microsoft Language Servers in a Zowe code editor; architected plugin structure for Language Servers to run on Zowe.
- Developed various features for Newton, including a configuration wizard, GraphQL integration, feature flags, and a component generator.

Ecludio *Student Run Startup*

Co-Founder, CTO

Atlanta, GA

Oct 2018 – Present

- Planned, designed, and developed the entire backend and web frontend.
- Wrote up a comprehensive blueprint documenting the workings of the app, streamlining the development process.

Boston College

Teaching Assistant for Computer Science II

Chestnut Hill, MA

Jan 2019 – May 2019

- Wrote a script to automatically download students' problem sets, suggest grades, and upload grades and comments to the Canvas Learning Management System, saving the professor hours of time.
- Aided 30+ students with installing Java and using Git.
- Answered student questions during office hours and online.

BC GET Delivery *Student Run Startup*

Full Stack Developer

Chestnut Hill, MA

Oct 2018 – Feb 2019

- Developed an automated app-to-SMS messaging platform, which increased the ease of communication between the deliverer and the customer and improved customer privacy.
- Discovered and fixed a security bug that allowed anyone to perform admin-only tasks without authorization.
- Created a self-serve password reset system.

Projects

WikiWhere

<https://wikiwhere.org/> [wikiwhere/wikiwhere](https://github.com/wikiwhere/wikiwhere)

WikiWhere is a visualization of Wikipedia articles, and can be used to either traverse through linked articles or find the shortest path between two articles. The frontend uses d3 to visualize the graph, using data returned by the JavaScript and C++ backend. The backend queries Wikipedia data dumps and uses a BFS algorithm to find the shortest path. I worked primarily on the backend and search algorithm.

hackm.app

<https://hackm.app/> [hackmapp/hackmapp](https://github.com/hackmapp/hackmapp)

hackm.app is an interactive map of the previous, current, and upcoming MLH hackathons. It scrapes the MLH website every hour using Python and BeautifulSoup, which is processed and served with an Express backend to be displayed in the website frontend using d3. I worked on the backend and helped with polishing the frontend.

Linker

[Subraiz/Linker](https://github.com/Subraiz/Linker)

A combination of LinkedIn and Tinder, built using React Native. Linker attempts to connect recruiters with students to ease the pains of the job process. Students and recruiters can swipe left or right on each other, so that before students apply they already know if a company is looking for someone like them.