DAVID **SHEN**

Software Developer   https://dav.sh/

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(617) 863-7436

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
C
Python
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   **Waltham, MA**
Software Engineering Intern   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*   **Atlanta, GA**
Co-Founder, CTO   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   **Chestnut Hill, MA**
Teaching Assistant for Computer Science II   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*   **Chestnut Hill, MA**
Full Stack Developer   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.

Lexington Solutions   **Boston, MA**
Quality Assurance Intern   Jul 2017 – Sep 2017
- Automated the testing of web application input fields using Java and Selenium, saving hours of manual QA time per day.
- Built a dynamic user permissions testing system that checks for inconsistencies in user-editable fields.

Projects

hackm.app   🔗 *https://hackm.app/*   🜲 *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.

Linker   🜲 *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.