DAVID **SHEN**

Software Developer   https://dav.sh/

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24 Tip Top Street, Boston, MA 02135

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.)*

Boston Latin School
GPA: 4.25 W, 3.92 UW.
Sep **2012** – May **2018**

Skills

Languages
JavaScript
TypeScript
Java
C
Python
HTML + CSS

Technologies
Linux
Git
Node.js
React + Redux
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   **Atlanta, GA**
Chief Technology Officer   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   **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.
- 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.