

ALEX LIN

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Education

Brown University	<i>September 2021 - May 2025</i>
Bachelors in Computer Science GPA: 4.00	
Teaching Assistant for CSCI 1420: Machine Learning	

Work Experience

Boston Fusion Corp	<i>June 2023 - August 2023</i>
Research Programmer Intern ARCLIGHT	
Developed API for remote server ML Ops in Python and supported research of implementation of novel object detection models under DARPA project ECOLE	
Boston Medical Data Science	<i>June 2022 - August 2022</i>
Data Analyst Intern	
Web-scraped a 5 million+ entry medical dataset with Java , automated database merges in MongoDB , and enhanced data quality via geocoding and word2vec .	
Brown Space Engineering	<i>September 2021 - May 2024</i>
Avionics Lead	
Led a 10-person team through design and implementation of a 3U CubeSat's electrical system and supported the development of the flight control systems in C	

Projects

Squatty | <https://github.com/alex-lin64/Squatty>
A multi-threaded computer vision software, using **TensorFlow**, tracks squats and remotely triggers an **Arduino**-controlled water gun if resting is detected.

Book of Ps | <https://github.com/alex-lin64/Book-Of-Ps>
Digital recipe repository built on top of a custom hypertext framework, built on **TypeScript**, **React**, **NodeJs**, **MongoDB**, and **Express.js**

Course Clusters | <https://github.com/alex-lin64/Course-Clusters>
Course Cluster a distributed and scalable course registration system developed through **NodeJS** and **Javascript** and deployed to **EC2** instances on **AWS**.

Skills

Languages: Python, Javascript, Java, TypeScript, Go, C, Bash
Technologies: Docker, Linux, React, AWS, MongoDB, Node.js , SQL, Git, Jira