Steve Li

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Education:

Harvard University   Cambridge MA
Computer Science: **4.0 GPA**   Expected Graduation: 2023
Relevant Coursework: CS61: **Systems Programming** and Machine Organization, CS124: **Data Structures and Algorithms,** Math 21b: Linear Algebra and Differential Equations, Stat 110: Probability, 6.036: Introduction to Machine Learning, 6.840: Online Introduction to the Theory of Computation

Technical Skills:

Technical: Java, C/C++, HTML/CSS , processing, Javascript (GraphQL, React.js, React-Native, Vue.js, Vuex, Node.js, Firebase, Knex.js, Objection.js), python, MySQL, PostgreSQL, Git, GCP, CI/CD, AWS Amplify, AWS DynamoDB, Ubuntu, OS X, Windows

Relevant Experience:

Pine Park Health (YC S18) | Software Development Intern   Berkeley CA, May 2020 - Present
- Created **frontend** UI elements to display user tasks and patient symptoms, increasing **productivity** and ensuring patient safety using **Vue.js** for Toggbook, an application aimed at managing medical staff in assisted living communities.
- Implemented **REST api** using **PostgreSQL**, **Node.js**, and **Express.js** to manage and store **thousands** of patients and staff over **21** health-care facilities.

Concordium | Technology Lead   Cambridge MA, December 2019 - June 2020
- Developed the video conference app for Concordium, a Harvard i-Lab funded startup connecting the elderly through video calls. Designed front-end using **React.js,** created backend for video conferencing using **Twilio** and **Firebase**.

HSA Dev | Full-Stack Engineer   Cambridge MA, 12/2019 - 6/2020
- Designed buyer and deliverer mobile applications for Hopp, a snack delivery service for college students on campus.
- Constructed an **administrative dashboard** to view sales and monthly reports to improve **product management**.
- Created an **API** backend using **GraphQL** connected with an online **Shopify** store to control products and student runners, developed UI designs with **React** and **React-Native**.

Brigham and Women's Hospital | Research Assistant   Boston MA, July 2018 - August 2018
- Collaborated with Professor Junichi Tokuda to create a voice-enabled extension for the 3D-imaging tool, "3D Slicer," that allows surgeons to perform procedures without the need of a technician to operate the computer. Improved surgical procedure times upwards of **30 seconds**. Used **python** for **speech processing** and **PyQt** for UI.

Software Projects:

Personal Website (Bootstrap 4, HTML, CSS, and JS)
Full frontend website, designed using HTML and CSS to display personal projects and interests. https://steve-li.com

ustoo (Firebase, Bootstrap 4, HTML, CSS, JS)
Devised an online platform where users can post issues and gain support from others in their area, having the ability to contact their local representatives. Developed during the MIT Blueprint Hackathon

WeensyOS (C++)
Designed a kernel for WeensyOS, a miniature operating system complete with **physical** and **virtual** memory, **forking**, and **kernel** isolation. Created for CS61: Systems Programming and Machine Organization.

Shell (C++)
Created a full-fledged command shell with functionality for **fork**, **exec**, **interrupts**, **pipes**, and **redirects** for CS61: Systems Programming and Machine Organization.

Clubs and Activities

Wave Learning Festival | Technical Co-Director   California, April 2020 -
Built frontend **React.js** app with **e2e** testing used by over **8000** students **worldwide** in more than **40**   Present
countries. Redesigned technical workflow by creating **CI/CD** infrastructure on **AWS Amplify** servers with **dynamoDB** Backend and **GraphQL.**

The Harvard Crimson | Photographer, News-Executive   Cambridge MA,
Worked to create and produce multimedia news content for The Harvard Crimson. Took pictures and   September 2019 - Present
selected quality photos for the newspaper to publish.

Harvard Radcliffe Orchestra | Oboist, Social Media board   Cambridge MA,
Oboist for the Harvard-Radcliffe Orchestra. Managed Instagram account and other multimedia content. September 2019 - Present