

Joanna Bai

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EDUCATION

Harvard University

A.B., Computer Science, Secondary in Educational Studies, Special Education Focus. GPA: 3.8

Cambridge, MA

May 2024

Relevant Course Work: Computing Hardware, Data Structures and Algorithms, Designing K-12 Computer Science Learning Experiences, Ed Tech Advanced Design Studio,

EXPERIENCE

Fablevision

Boston, MA

Developer Intern

February 2024 – April 2024

- Developed a role-player game in the Unity environment called Eco-Detectives, a nature exploration game for older elementary school students to learn how to interact with wildlife in responsible ways.

CS32: Computational Thinking and Problem-Solving

Cambridge, MA

Teaching Fellow

February 2024 – April 2024

- Hosted weekly office hours to aid students with problem sets, quizzes, and general course topic comprehension.
- Assisted at a weekly section and provided feedback on students' coursework. Worked 10 hours/week.

Selby Lane Capital

Remote/Menlo Park, CA

Full Stack Engineering Intern

January 2023 – August 2023

- Executed the development of a white-label financial investment software (SaaS). Work included the front-end implementation of a client-side and investor-side investment portal built in Vue.js using Tailwind and TypeScript, on a Serverless database.
- Tested and integrated third-party banking and finance APIs and SDKs for KYC/AML verification in the portal.

Harvard Student Agencies (HSA)

Cambridge, MA

Harvard Student Agencies is the largest student-run business in the world, generating \$13M+ in revenue annually and employing 700 undergraduate employees across 10 business units.

Worked 25 hours/week during the term and full-time during the summer.

Managing Director

August 2021 – February 2023

- Held P&L responsibility for The Academies by HSA, an education services business offering pre-professional programs to high school students. Grew revenues from \$494K to \$800K by transitioning to a hybrid business model of digital and in-person learning, exceeding forecasted revenue by 15%. Expanded margins by 47% from pre-COVID in-person operations.
- Led team of eight managers through the rebranding of the company, focusing on the mission of accessible, quality education. Coordinated and launched the rebranding on the website, email communications, and newsletters, leading to contracts with 2 new partners, generating \$50K in revenues in three months.

Special Musicians

Omaha, NE

Co-Founder and CEO

June 2017 – July 2019

- Founded a 501(c)-3 non-profit organization providing music education and therapy to 175+ children and young adults with disabilities across three cities in Nebraska. Facilitated and oversaw all aspects of the organization's operations.
- Developed customized, accessible curricula for each musician, adapting appropriately for changing needs.

SKILLS

Technical: Bootstrap, C, C#, C++, Java, JavaScript, OCaml, Python, React, SQL, SystemVerilog, Tailwind, TypeScript, Unity, VueJS

Languages: English, Mandarin (Fluent), American Sign Language (Proficient)

Organizations: Latter Day Saint Student Association, Special Olympics