

Austin Liu

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EDUCATION

Brown University

Providence, RI

Bachelor of Science in Computer Science and Economics with Entrepreneurship Certificate

Expected May 2027

- Relevant Coursework: Data Structures and Algorithms, Design/Analysis of Algorithms, Foundations of AI, Computer Systems, Intermediate Macroeconomics, Intermediate Microeconomics

EXPERIENCE

Software Engineer Intern

November 2024 – Present

SAI (Student AI)

Remote

- AI integration with learning management systems at **20+ universities** to enhance student/professor experience
- Refining Retrieval-Augmented Generation (**RAG**) pipeline to improve **diagram generation** clarity and accuracy

Software Engineer Intern

June 2024 – September 2024

Stealth Startup

Remote

- Developed backend for a **web application** utilizing **Firebase NoSQL** database and **NodeJS** tech stack
- Successfully conducted a **pilot run** with **30+ users**, improving user experience based on initial feedback
- Implemented **APIs** such as **Edamam API** for nutritional data and **ChatGPT API** for user personalization

Software Engineer Intern, Data and Product

February 2024 – May 2024

MyDataProduct

Remote

- Researched/implemented **5+ APIs** (e.g. Google NLP, Picsart Background Removal, Google Image Search)
- Aided weekly **DEV-to-PROD** deployments by ensuring all code was **tested** and ready for **production**
- Reduced manual workload by **30%** through **automated operations** (i.e. automatic SSH certificate renewal)

PROJECTS

Beya | *React, Expo Go, Firebase, AWS*

November 2024 - Present

- Founding engineer, helped generate **\$5,000+** in revenue through SaaS mobile **tap-to-pay** between popup vendors
- Refactored codebase, enforcing **modularization**, and **DRY principles**, leading to **50% increase** in productivity
- Currently in **beta**, developing app to officially be launched to app store for both **IOS** and **Android** devices

WordHunt Online | *React, NodeJS, Firebase, Bootstrap*

October 2024 - November 2024

- Built CPU player with a custom heuristic and **300,000+ word trie dictionary** for optimized recursive search
- Implemented real-time, **player-vs-player functionality** using **Websockets** for enhanced multiplayer experience

Find My Food | *React, AWS, Flask, MySQL*

January 2024 - May 2024

- Developed **dining hall menu tracking project** with **200+ monthly visits**, improving dining experience
- Decreased **AWS** expenses by **87.5%** through automation of **RDS instances**, and temporary **NAT gateways**

LEADERSHIP

Lead Software Engineer

September 2024 – Present

Brown Formula Racing

Providence, RI

- Leading team of **10 engineers**, facilitating design discussions, delegating tasks, and mentoring underclassmen
- Processed and cleaned **30,000+ data points** from racecar telemetry to create **graphs** for performance analysis

VP of Technology

September 2023 – Present

Brown Technology Consulting Group

Providence, RI

- Conducted **comprehensive interviews** to evaluate candidates, ensuring a **high standard** of talent acquisition
- Consulted South Korea's largest self-storage company, providing strategic advice on entering the U.S. market

Family Head

September 2024 – Present

Chinese Student Association

Providence, RI

- **Mentored 8 underclassmen** on both academic/social aspects of college life (e.g. coursework, extracurriculars)
- Organized and hosted multiple **social events** such as **dumpling folding**, **tanghulu nights** and **boba runs**

SKILLS AND INTERESTS

Skills: C++, Java, Python, JavaScript/TypeScript HTML, CSS, React, Flask, Django, NodeJS, Tensorflow, Keras

Tools: GitHub, GitLab, Ubuntu, Firebase, AWS, GCP

Interests: Men's Volleyball Team, Fingerstyle Guitar, Chess