Austin Liu

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EDUCATION

Brown University   Providence, RI
Bachelor of Science in Computer Science and Economics with Entrepreneurship Certificate   *May 2027*
- Relevant Coursework: Operating Systems, Computer Systems, Deep Learning, Foundations of AI, Data Structures and Algorithms, Design/Analysis of Algorithms, Statistical Inference I/II

EXPERIENCE

Software Engineer Intern, Data Services   May 2025 - August 2025
Symbotic   *Wilmington, MA*
- Incoming Summer 2025

Software Engineer Intern   November 2024 – Present
SAI (Student AI)   *Remote*
- Integrated AI with learning management systems across **20+ universities**, enhancing studying engagement
- Optimized **RAG pipelines** using **React Flow**, enabling dynamic **diagram generation** for complex workflows
- Deployed multilingual translation for **20+ languages** using **i18next** library, improving global user accessibility

Software Engineer Intern   June 2024 – September 2024
Stealth Startup   *Remote*
- Engineered backend architecture for a **web app** using **Firebase NoSQL** and **NodeJS**, enhancing scalability
- 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, Founding Software Engineer | *React Native, Expo Go, Firebase, AWS*   November 2024 - Present
- Generated **$5,000+** in revenue through SaaS mobile **tap-to-pay** between popup vendors on college campuses
- Refactored codebase, enforcing **modularization**, and **DRY principle**s, 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
- Led project for **South Korea's largest self-storage company**, developing **market entry** strategies

SKILLS AND INTERESTS

Languages: C++, Java, Python, JavaScript/TypeScript, C
Tools: GitHub, Firebase, Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure
Frameworks/Libraries: React, React-Native, Expo, NextJS, Flask, Django NodeJS, Socket.IO