

# Austin Liu

469-975-8324 | [austin.f.liu@brown.edu](mailto:austin.f.liu@brown.edu) | [LinkedIn](#) | [GitHub](#) | [austinliu.dev](http://austinliu.dev)

## 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

### 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

- Generated over **\$5,000** in revenue through a SaaS mobile enabling **tap-to-pay** between popup vendors
- Refactored codebase, enforcing **modularization**, and **DRY principles**, leading to **50% increase** in productivity

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

October 2024 - November 2024

- Developed a **responsive** using React and Bootstrap, with **dynamic gameplay features** (e.g. animated scoring)
- 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*

- Oversee the **club's website** (using **React**) and provided **expert guidance** on all software-related inquiries
- 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