Austin Liu

469-975-8324 | austin_f_liu@brown.edu | LinkedIn | GitHub | 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 for learning management systems to enhance student and professor experience, currently onboarding

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

Data Product Engineering Intern — 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 principle**s, leading to **50% increase** in productivity

WordHunt Online | *React, NodeJS, Firebase, Bootstrap* — October 2024 - Present

- 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
- Implementing real-time, **player-vs-player functionality** on the server side 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