

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

June 2024 – September 2024

Stealth Startup

Remote

- Developed backend for an **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)
- Participated in **daily stand up meetings** and conducted **Quality Assurance (QA)** reviews on merge requests

PROJECTS

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

November 2024 - Present

- Developed a **responsive** using React and Bootstrap, with **dynamic gameplay features** (e.g. animated scoring)
- Building CPU player by converting a **300,000-word dictionary** into a Trie for optimized recursive search speed
- 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**

Connect4 | *React, Flask, Firebase*

December 2024 - January 2024

- Developed an AI Connect4 bot using the **minimax algorithm** with **custom heuristics** for challenging gameplay
- Achieved a **90% win rate** based on over **100+ user trials**, demonstrating high effectiveness of the AI model

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
- Worked **3 projects** (e.g. social media influencer marketplace, military training platform and self-storage startup)

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