

Jeffrey Liang

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Education

Brown University, GPA: 3.8/4.0

2023-27 | Providence, RI

- Bachelor of Science(Sc.B.) - Computer Science & Economics
- Relevant coursework: *Computer Systems, Designs and Algorithms, Mathematical Econometrics, Managerial Decision Making, Financial Accounting, Intermediate Mathematical Microeconomics*

Work Experience

Blue Harbor, *Co-Founder*

Aug. 2022 – Present

- Co-founded Blue Harbor, an organization dedicated to combating the lack of autism-support services across China.
- Defined a framework for creating autism-friendly videos and organized initiative events, establishing our club across 7 Chinese international schools with 200+ members, focused on teaching autonomy and social skills to those on the autism spectrum.
- Collaborating with 10 autism service centers to consult experts, host charity events, and autism employment events.
- Distributed over 100+ created videos since Blue Harbor's creation and raised \$6000 just this year.

Xiaomi Technology, *Algorithm Intern*

Jun. 2024 – Aug. 2024

- Worked within Xiaomi's smart device research, exploring and dictating current leading AI models for multiple medias.
- Helped form technical reports and basic inference tests stating the fundamental strengths within model architectures, and methods for improving inference performance for 10+ generative AI models.
- Assisted in pitching technical findings in conjunction with compatibility to Xiaomi's hardware products, establishing an approved company project "On Device AI accelerator".

Kognitiv Edge Internship, *Backend Developer Intern*

Feb. 2024 – Aug. 2024

- Developed and managed CI/CD pipelines for a multi-step deployment process, ensuring efficient testing, validation, and deployment of Azure-based applications.
- Assisted in the Export, Redact, and Commit Power Apps Solution workflow, increasing efficiency by a relative 20% whilst adding new tests and features.
- Automated environment setup using IaC, streamlining configuration and reducing manual setup tasks, reducing overall Deploy All Resources workflow by 25%.

Extracurricular Activities

Brown Technology and Consulting Group, *Project Lead*

Jan. 2024 – Present

- Managing a team of 7 across 3 workstreams of digital expansion, campus ambassadorship and in-person retail for startup Day-Guard, an alcohol-aid and liver protection jelly stick.
- Reaching out to 20+ retail stores, already securing retail opportunities with 4 retail stores in the Providence area.
- Presenting work stream findings to DayGuard CEO and scoping 3 additional tasks weekly.
- Maintaining DayGuard connections with 17+ campus ambassadors, exploring 40+ possible relevant UGCs and microinfluencers partnerships, overall helping increase sales by 20%.

Beya: Small Business Assistance App, *Technical Project Lead*

Sep. 2024 - Present

- Leading technical development for Beya, a B2B app supporting small businesses, with proximity-based features, minimum-fee transactions, inventory management, and analytics—served 20+ local vendors.
- Architected app infrastructure using TypeScript, Firebase, Expo, AWS, and Stripe, supporting 12 average monthly users.
- Processed 700+ sales transactions, utilizing direct customer feedback from 8 events to iteratively improve the app, implementing over 15 and counting features/fixes to address user needs and enhance the overall experience.

FSAE Driving Day App, *Backend Developer*

Sep. 2024 – Present

- Collaborating with a selected team of 5 to design backend processing for an app that records, segments, and benchmarks 100+ data fields (e.g., weather, lap time, RPM, throttle, brake pressure) for the Brown Formula Racing team.
- Implementing APIs and backend infrastructure for data processing, ensuring seamless integration of driving performance metrics for 7 driver profiles.

Innovation Dojo Program, *3rd Place Pitcher*

Feb. 2024 – May. 2024

- Interviewed over 10+ private equity associates, primary care and specialist doctors to validate "Docferral", a startup idea for private practice doctors to form necessary connections with specialized doctors and conduct electronic patient referrals.
- Performed competitor analysis across 4 core health components against 5 leading telemedicine and electronic health referral companies to highlight Docferral's all-in-one advantage of referrals, connections, and private practice educational resources.

Awards

Publication by The Journal of Applied Mathematics and Computation

- Published an article in collaboration with professor from Shanghai Jiao Tong university (SJTU) named "Numerical Algorithm for Transportation Network"

2nd Place and Most Innovative Project at DFC(Design For Change)

- Second place award presented at National Chinese science and engineering competition Design For Change with project "SSD Vision-Assisted Narrow Pathway Anti-Accident Vehicle"

Skills & Interests

Skills: Javascript, Django, TensorFlow, Swift, Python, Matlab, AWS, React Framework | **Languages:** Chinese(Native)

Interests: Playing Tennis, Creative Short Story Writing, Exploring Ramen and Pasta Spots, Monopoly Boardgame Enthusiast