

# Jeffrey Liang

## Education

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Brown University

Providence, RI 2023-27

## Extracurricular Activities

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### Brown Technology and Consulting Group

January. 2023 – Present

#### *Project Lead*

- Interacting with startup founders of the tech industry to understand industry position and analyze competition to suggest possible changes.
- Using technical skills in accordance with company-specific requirements to improve performance of companies.

### Smooth Tennis IOS APP Simulation

June. 2022 – Present

#### *Personal Project*

- Created Social media-like database where tennis players of different levels can prompt questions for coaches to answer and provide coach feedback using Swift .
- Currently awaiting Apple Approval, working on filtering content including automatic removal and censorship of inappropriate content .

### Innovation Dojo Program

February. 2023 – May. 2023

#### *3rd Place Pitcher*

- Learning about the startup procedure, components of generating a competent business plan such as a business model, value proposition, and TAM SAM SOM evaluation.
- Awarded 3rd place pitching Docferral, a private practice work and media startup idea in final competition to esteemed judges.

### Drone Wing Energy Optimization Project

Sep 2021- July 2023

#### *Research Assistant*

Shanghai, China

- Used elastic transportation network to reduce weight maintain sturdiness of drone wings based on using the principle of negative gradient flow
- Worked through understanding revolving the stretch, strain, twist, and bending of drone wings.

## Experience

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### Kognitiv Edge Internship

February 2024 – Present

#### *Back-end Developer Intern*

Providence, RI

- Working with startup company Kognitiv Edge on backup development.
- Using terraform and microsoft azure with a intern team.
- Applying skills of continuous integration and continuous delivery, infrastructure as code.

### Blue Harbor Service Club

August 2022 – Present

#### *Cofounder*

Shanghai, China

- Defined a framework and guideline for autism-friendly videos, connected with schools and local communities to provide these videos for people in need .
- Created a service organization working with international schools across Shanghai and local autism support centers to make videos modeling social / life skills for the autistic population .

### Xiaomi Technology

June. 2024 – August. 2024

#### *Algorithm Intern*

Shanghai, China

- Worked within Xiaomi smart device department in 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.
- Assisted in establishing an approved company project "On Device AI accelerator" .

## Awards

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### 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 competition with project "SSD Vision-Assisted Narrow Pathway Anti-Accident Vehicle"

## Classes

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**Courses:** APMA: Statistical Inference I, Economics: Intermediate Macroeconomics, Economics: Intermediate Microeconomics(Mathematical), Financial Accounting, Mathematical Econometrics

## Skills & Interests

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**Skills:** Javascript, React Framework, Web Design, Python, Matlab, Java, TensorFlow, Machine Learning

**Interests:** Tennis, Creative Writing, Working Out, Eating Good Food

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