

Jeffrey Liang
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EDUCATION

Brown University Class of 2027 (Computer Science & Economics)

- Relevant Courses: Computer Science: An Integrated Introduction, Computer Science: Program Design with Data Structures and Algorithms, Multivariable Calculus With Theory, APMA: Statistical Inference I, Economics: Intermediate Macroeconomics, Economics: Intermediate Microeconomics(Mathematical)

EXTRACURRICULARS

Brown Technology and Consulting Group - Junior Associate | Providence, RI Oct 2023 - Present

- 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 startup

Innovation Dojo Program - Member | Providence, RI Oct 2023 - Present

- Learning about the startup procedure, components of generating a competent business plan
- Preparing to pitch a startup company idea in Innovation Dojo competition to esteemed judges

Brown Investment Group - Member | Providence, RI Oct 2023 - Present

- Developing abilities to formulate invest pitches and valuation details of companies
- Discussing factors to compare stock investment decisions

Drone Wing Energy Optimization Project - Research with Professor | Shanghai, Ch Sep 2021- July 2023

- 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
- Simulated evolution of elastic transportation network using MatLab

Smooth Tennis IOS APP Simulation - Personal Project June 2022 - Present

- Created Social media-like database where 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 of unwanted content

Kenyon Review Young Writers Online Workshop - Participant June 2022 - June 2022

- Participated in program on free writing, poetry, literary analysis, and developing personal writing pieces

WORK AND VOLUNTEER EXPERIENCE

Kognitiv Edge Internship - Internship | Providence Feb 2024 - Present

- 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 - Cofounder | Shanghai Aug 2022 - Present

- 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

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"
- An extension of the drone wing optimization project focusing on the mathematical side

Scholastic Art and Writing 3 Gold Key 1 Silver Medal Writing

- Won 3 Gold Keys and 1 Silver Medal for writing fiction and creative nonfiction pieces

Walt Whitman Poetry Contest International Grand Champion

Individual 2nd Place at Varsity APAC Tennis

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

- National Chinese science competition with project "SSD Vision-Assisted Narrow Pathway Anti-Accident Vehicle"
- Used a model robocar to create a potential cheaper yet still effective assisted driving system for cars

SKILLS & INTERESTS

Technical Skills: Python, Java, MySQL, ReasonML, MatLab, Swift, React, CSS