

# Raymond Yeo

Los Angeles, CA 91803 • raymond\_yeo@brown.edu • 213-703-5999

LinkedIn: <https://linkedin.com/in/raymond-yeo>

Website: <https://rayyeo.com>

## EDUCATION

**Brown University**, *B.S. Computer Science-Economics*, 3.71 Providence, RI | Expected Graduation May 2023

- **Significant Coursework:** Algorithms and Data Structures, Data Science, Deep Learning [Fall 2021], Statistical Inference, Linear Algebra [Fall 2021], Cybersecurity Ethics, Urban Studies, Economic Inequality in the US [Fall 2021]
- **Organizations:** Social Innovation Fellowship, Food Recovery Network @ Brown, Intramural Soccer, Brown Sports Convos

## EXPERIENCE

**Brown University Department of Economics** | Research Assistant April 2021 – Present

- Conducting research on climate change and its effect on quality adjusted population density with Professor David Weil
- Performing data cleaning and analysis on climate-related histories and projections in R, Stata, and Python

**Brown University IT Service Center** | Student Technician January 2020 – Present

- Assisting students and faculty members with their technical difficulties through telephone, email, and chat
- Facilitating smooth functioning of the technology loaner program by taking inventories and ensuring data safety through reimaging processes

**Juni Learning** | Computer Science Instructor September 2020 – August 2021

- Taught students the fundamentals of computer science through Scratch, Python, PyGame, Java, and APCS
- Coordinated with parents and staff leads to help foster a customized, positive remote learning environment for each student

## LEADERSHIP

**Social Innovation Fellowship** | Fellow September 2021 – Present

- Member of a two-year developmental program that focuses on driving positive social change through innovation
- Attending weekly trainings and workshops led by the Social Enterprise Greenhouse to develop leadership skills

**Cress Health** | Director of Operations May 2020 – May 2021

- Oversaw 40+ undergraduate and graduate interns spanning across Cress' product development teams
- Led generation of positivity cards, lifestyle tips, and guided meditations to improve the Callie app
- Spearheaded internship recruitment efforts by posting job openings and screening applications/resumes

## PROJECTS

**Workout Tracker App** | Swift

- Working on a minimalist App Store application that one can use to log weightlifting and running workouts
- Gaining new expertise in Swift, SwiftUI, MVVM architecture, and database incorporation with mobile applications

**K-Means Clustering** | Python

- Implemented the K-Means unsupervised ML algorithm and applied it to image compression and song feature clustering
- K-Means algorithm was tested against Scikit-learn's built in function and cluster performance was evaluated using an elbow point plot

**Baseball Trade Analyzer** | Python

- Trade analyzer created for a Hack@Brown event, obtains key statistical categories of each MLB player through web scraping
- Computes a weighted sum of relevant statistics and calculates the "fairness" as the difference between each player's sums

**Shell Terminal** | C

- Constructed a shell terminal that takes terminal inputs and parses commands to operate as a Linux terminal
- Shell terminal can launch jobs to run in both the foreground and background, maintains a list of job IDs, and responds to terminal signals

## SKILLS & INTERESTS

**Software:**

- *Languages:* Python, Java, C, JavaScript, HTML, CSS, Swift, SwiftUI
- *Data Science Tools:* Stata, R, SQL
- *Technical:* Git, GitHub, Linux, LaTeX, Microsoft Word, Microsoft Excel

**Languages:** English, Korean (proficient), Chinese (elementary)

**Interests:** Lakers, Dodgers, Soccer, Fitness, Reading, Piano, Buddhist Philosophies, Stoicism, Animated Films