

Kenny Huang

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EDUCATION

Princeton University - B.S.E., Operations Research and Financial Engineering

Expected Graduation: May 2023

- GPA: 3.88 / 4.0
- Pursuing certificates in Statistics and Machine Learning, Optimization and Quantitative Decision Science, Applied and Computational Mathematics, Applications of Computing

WORK EXPERIENCE

Ramsay Research Group - Undergraduate Research Assistant

March 2021 - present

- Harness Python and R for data handling and acquisition tasks for Professor Kris Ramsay
- Data provides important historical context and motivation for research theory
- Research focuses on game theory models used to study the incentives of deforestation and its prevention

Federal Energy Regulatory Commission - Data Science Intern

June 2021 - August 2021

- Facilitated team on variety of data-related tasks involving the enforcement of electric reliability standards
- Completed projects in database curation, data analysis, and task automation using Python (SQLAlchemy, NLTK, Selenium) and R
- Performed power flow study and first-contingency analysis of resiliency of grid towards rolling blackouts

Verily - Corporate Strategy Intern

June 2020 - August 2020

- Apply Excel and VBA to analyze user data (up to 1M+ data points per project) and provide actionable insight
- Built custom macros to streamline future analysis of changes in user choices
- Supported back-end design and launch of two major user interface tools

COS126 Teaching Assistant

September 2020 - present

- Guide students in developing logical thought processes and utilizing best practices to solve computer science problems, including N-Body, Markov language models, and Traveling Salesman Problem
- Grade 10 coding assignments and provided meaningful feedback on students' efficiency and style
- Selected as one of 5 TAs to grade especially difficult submissions

PROJECTS

A Study of the Goodness of Blocks (2021) - a start-from-scratch evaluation of blocks and their value to NBA defenses

Free Agency and Triadic Closure (2021) - analysis of player factors that influence NBA player free agency decisions

Useless Benches in the NBA (2021) - reflection on the worst bench performances in NBA history

HONORS

Traders@MIT 2020 Competition: 6th Place Team Overall, 3rd Place Team on High Frequency Trading Case

Math: 2x USA Math Olympiad Qualifier, 2x USA Junior Math Olympiad Qualifier, 6x AIME Qualifier

Other: BPA State 6th Place Advanced Spreadsheet Applications, Academic Decathlon State 8th Place Individual

EXTRACURRICULAR ACTIVITIES

Princeton University Data Science Club - attended workshops, networking events

2019 - present

Harvard Sports Analysis Club (HSAC) - brainstormed and collaborated on sports analysis projects

2021 - present

Princeton University Table Tennis Club (PUTTC) - acting President, junior officer

2019 - present

SKILLS

- **Proficient:** Python, SQL, R, Microsoft Excel, Java, Mandarin (fluent)
- **Intermediate:** VBA, HTML, CSS, JavaScript