

# Katelyn K. Wong

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<https://kaiyuncorner.com/>

Analytically driven student passionate about data science and econometrics, with experience in statistical modeling, financial data analysis, and HTML web development.

## Education

### University of California, San Diego

*M.S. in Data Science*

**2025 - 2027**

*B.S. in Mathematics and Economics, Minor in Data Science; GPA: 3.99/4.0, summa cum laude*

**2021 - 2025**

- Relevant Coursework: Programming, Data Structures & Algorithms for Data Science, Data Visualizations, Probabilistic Modeling & Machine Learning, Relational Databases, Differential Equations & Dynamical Systems, Numerical Optimization & Linear/Nonlinear Programming, Real Mathematical Analysis
- Organizations & Clubs: finance and admin staff at AACF organization, design staff for TritonHacks to provide opportunities for underprivileged high school students to explore computer science

## Skills

**Programming Languages:** Python (Pandas, NumPy, scikit-learn), Java, HTML, Svelte, R, Matlab, SQL, Stata

**Frameworks/Tools:** GitHub, Git, Jupyter Notebooks, Excel, Tableau, Final Cut Pro, Logic Pro, Canva

**Academic:** Data analysis (modeling, management, visualization), graphic design (content creation, branding), research (academic writing), administration (project coordination, event organizing), tutoring

## Relevant Work Experience

### Renewable Energy and Advanced Mathematics Lab

**Nov 2024 - Present**

Data Science Research Assistant

- Analyze electricity markets to effectively integrate renewable energy in a cost efficient way for consumers
- Collaborate with researchers to optimize power distribution systems, grid reliability, and energy efficiency
- Develop and solve rate design optimization models using matrix-based regression and predictive modeling

### University of California, San Diego

**Sept 2024 - Present**

Mathematics Department Instructional Assistant

- Correspond weekly with professors/teaching assistants to review MATLAB programming assignments
- Provide substantial constructive feedback to students for areas of improvement in course material
- Evaluate exams and coursework to accurately maintain confidential records of student grades

### San Diego Association of Governments

**Aug 2022 - Aug 2023**

Project Management and Finance Intern

- Reviewed metropolitan planning invoices and processed consultant financial requests of up to \$10 million
- Collaborated with 2 other office staff to perform financial data analysis and reconcile government budgets
- Facilitated streamlined communication between project managers and over 20 external companies

### Optometric Vision Development Center

**Jan 2022 - Mar 2022**

Developmental Optometric Intern

- Partnered with 4 vision therapy patients to improve vision and visual comprehension
- Aided with housekeeping and logistical operations within the office

## Leadership & Service

### Treasurer of TKA Model United Nations Team

**Aug 2019 - Jun 2021**

- Managed and budgeted finances of high school MUN team
- Collaborate with 3 staff members to organize club events, mock conferences, and team fundraisers