

Caleb Williams

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EDUCATION

Waseda University, Graduate School of Business and Finance

M.S. in Finance

Tokyo, Japan

Expected Sep 2027

University of California, Los Angeles

B.S. in Statistics and Data Science, GPA: 3.65/4.0

Los Angeles, CA

Sep 2020 - Jun 2025

- Relevant Coursework: Statistical Programming with R, Statistical Models & Data Mining, Probability Theory, Data Analysis & Regression, Python with Applications, Data Structures & Algorithms, Linear Algebra, Discrete Structures, Text Mining & Natural Language Processing, SQL & Databases, Mathematical Finance, Statistical Consulting

PROFESSIONAL EXPERIENCE

UCLA - Asian Languages & Cultures, Linguistics Research

Research Assistant

Los Angeles, CA

Jan 2024 - Sep 2025

- Collaborated with Prof. Shoichi Iwasaki on quantitative analysis of Japanese–English intonation patterns
- Transcribed and processed speech data using **R** and **Excel** to identify patterns in intonation unit length across languages
- Performed statistical inference and bootstrap testing to validate hypotheses and refine experimental design

Japan Book Hunter

Business Development Intern

Tokyo, Japan

Dec 2022 - Sep 2023

- Managed social media accounts, growing followers by **7,000+** through targeted content and engagement strategies
- Analyzed buying trends and conducted market research to identify potential products, boosting monthly sales to **\$10k+**
- Used **HTML** and **CSS** to improve site layout and wrote product descriptions to enhance user experience and conversion

UC Berkeley - Plant & Microbial Biology, Niyogi Lab

Research Assistant

Berkeley, CA

Feb 2019 - Jun 2020

- Conducted gene isolation and PCR-based cloning of algae strains to study the molecular mechanisms of photosynthesis
- Maintained and propagated mutant algae lines, optimizing media conditions for targeted experiments
- Managed culture inventory, sterilization protocols, and experiment preparation using lab-grade equipment

USDA - Healthy Processed Foods Research Unit

Intern

Albany, CA

Jun 2018 - Aug 2018

- Supported the development of cryogenically 3D-printed meat and edible biopolymer films for food packaging
- Collected and analyzed experimental data using **Excel** and internal USDA tools to improve data clarity and access
- Visited three commercial partnership facilities as part of the USDA's effort to understand industrial processes

PROJECTS AND ACTIVITIES

UCLA DataFest Sponsorship Dashboard

Independent Project

Los Angeles, CA

Dec 2024 - Jan 2025

- Built an interactive **Dash** app with **SQL** integration to prioritize outreach based on company size, industry, and location
- Designed analytics page to visualize sponsorship trends, average donations, and outreach by sector and status
- Used the dashboard to coordinate outreach to **2,000+** companies, raising over **\$29,000** in sponsorships for DataFest 2025

Classification Models to Predict Obesity Status

Class Kaggle Competition, Statistical Models & Data Mining

Los Angeles, CA

Dec 2024

- Built classification models in **R** and **Python** on ~32K observations; imputed 8% missing data using **MissForest**
- Trained and tuned 9 models (logistic regression, SVM, RF, neural net, etc.) using cross-validation and regularization
- Final random forest model achieved **99.9%** test accuracy, placing **7th** across two classes

ADDITIONAL INFORMATION

- Technical Skills: Python, SQL, R, C++, Microsoft Excel, HTML, CSS
- Libraries: Pandas, NumPy, Matplotlib, Plotly, Scrapy, Dash, JAX, Keras, TensorFlow, SQLite3, SQLAlchemy
- Clubs: Statistics Club (DataFest Finance Officer), LA Hacks (Sponsorship Coordinator), Bruin Runners
- Languages: English (native), Japanese (fluent, JLPT N1), Korean (conversational)