

Caleb Williams

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EDUCATION

University of California, Los Angeles

B.S. in Statistics and Data Science, GPA: 3.7/4.0

Los Angeles, CA

Expected 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

Waseda University

Japanese Exchange Program

Tokyo, Japan

Sep 2022 - Sep 2023

PROFESSIONAL EXPERIENCE

UCLA - Asian Languages & Cultures, Linguistics Research

Research Assistant

Los Angeles, CA

Jan 2024 - Present

- Assist with Professor Shoichi Iwasaki's research exploring similarities in Japanese/English intonation and speech patterns
- Transcribe conversations and analyze data using **R** and **Microsoft Excel** to identify trends in intonation unit length
- Perform statistical inference testing to validate hypotheses and advise on experimental design

Japan Book Hunter

Business Development Intern

Tokyo, Japan

Dec 2022 - Sep 2023

- Managed social media accounts, increasing followers by 7k through targeted content creation and engagement strategies
- Analyzed buying trends and conducted market research to identify potential products, boosting monthly sales to \$10k+
- Utilized **HTML** and **CSS** to streamline company website and wrote product descriptions to enhance customer experience

UC Berkeley - Plant & Microbial Biology, Niyogi Lab

Research Assistant

Berkeley, CA

Feb 2019 - Jun 2020

- Isolated and cloned genes of green algae with Dr. Setsuko Wakao to study mechanisms of photosynthesis
- Cultivated a collection of mutant algae strains and oversaw the creation of media stocks
- Managed lab inventory and employed numerous sterilization techniques to sanitize equipment and glassware

USDA - Healthy Processed Foods Research

Intern

Albany, CA

Jun 2018 - Aug 2018

- Assisted Dr. Roberto Bustillos in characterizing edible films for food safety and developing cryogenic 3D-printed meat
- Compiled experimental data using Microsoft Excel, streamlining data management processes for research
- Visited three commercial partnership facilities as part of the USDA's effort to understand industrial processes

PROJECTS AND ACTIVITIES

Recipe Recommendation App

Python with Applications II Project

Los Angeles, CA

Oct 2024 - Dec 2024

- Web Scraped 10,000+ recipes, nutritional info., reviews using **Scrapy**; cleaned and stored data with **Pandas** and **Sqlite3**
- Implemented user-friendly interface using **Dash**, allowing users to input desired ingredients, preferences, and cook times

LA Hacks

Sponsorship Coordinator

Los Angeles, CA

Sep 2021 - Sep 2022

- Raised over \$65,000 to fund Southern California's largest annual hackathon, coordinating with a team of 5 students
- Managed outreach to hundreds of companies, writing and sending emails to secure sponsorships
- Updated and maintained a sponsorship database to optimize contact management for future event fundraising

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 (Finance Committee), Japanese Student Association
- Languages: English (native), Japanese (fluent, JLPT N1), Korean (conversational)