

Riley Leong

rileyleong24@gmail.com ❖ (925)-786-2106 ❖ [LinkedIn: riley-leong](#) ❖ Benicia, CA

EDUCATION

University of California, Los Angeles

B.S, Mathematics of Computation

June 2026

Los Angeles, CA

SKILLS & LANGUAGES

- **Technologies :** Python, R, SQL, C++, GO, PyTorch, HTML, CSS, Javascript, Git
- **Relevant Coursework :** Data Structures and Algorithms, Computer Architecture and Computer Organization

WORK EXPERIENCE

Benicia Unified School District

June 2023 - September 2023

Information Technology Intern

Benicia, CA

- Troubleshoot computer hardware and software issues, setting up devices, and resolving network connectivity problems
- Involved in installing and updating software on computers and devices used in the school district
- Responsible for creating and maintaining documentation related to technology procedures, troubleshooting guides, and technology usage policies

PROJECTS

Validating Personality Tests with Machine Learning

February 2023

Data Science Union Project

Los Angeles, CA

- Investigated links between a person's style of writing and social media presence to their Myers-Briggs personality
- Natural-language processing done with **PyTorch** and exploratory data analysis done in **SQL** and **Python** with 400,000+ unique social media posts
- Trained two models (K-nearest neighbors and logistic regression) with logistic regression almost reaching the baseline for 10-fold CV and displaying 0.7849 accuracy linking all personality types
- Resulted in categorizations of personality types by text, an example being INTJ's typically using ellipses in a post

Tripify - Spotify Itinerary

February 2023

HackSC Finalist

Los Angeles, CA

- Developed full stack web page with **TypeScript** and **SolidJS** for UI and frontend framework with **Express.js** to integrate Spotify's API and create a travel itinerary based on the Spotify users most-listened to artists
- Totaled 200+ visits in 24 hours and received finalist status at *HackSC* for combining travel and technology

Active Memory Experiment

August 2021 - March 2022

Lead Researcher and Designer of Study

Benicia, CA

- Conducted a mixed-method correlational study and designed a qualitative survey to assess the social media habits of participants and a recall experiment to examine relationships between recall and social media use
- Cleaned 189 survey responses in **R**, analyzed data on Microsoft Excel, and performed 42 t-tests to compare how participants performed on an exam based on previous social media habits
- Presented my findings to the superintendent and school board and advocated for the integration of new online education techniques to supplement traditional teaching styles and saw observable changes in STEM curriculum

LINKS

- [LinterView - AI Interview Practice](#)