Carly Jeung

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EDUCATION

University of California, Los Angeles (UCLA)   **Los Angeles, CA**
B.S. Statistics and Data Science; Minor in Digital Humanities   *Expected Jun 2024*
- Relevant Coursework: Data Analysis & Regression, Computation & Optimization for Statistics, Machine Learning

Chabot College   **Hayward, CA**
A.S. Mathematics   *May 2022*
- Honors: Chabot College Highest Honors, Academic Honors List (2020, 2021, 2022)

Professional Exams
Sitting for SOA Exam Financial Mathematics (FM)   *Jun 2024*

WORK EXPERIENCE

Delta Dental Insurance   **Oakland, CA**
Actuarial Intern   *Jun 2023 - Sep 2023*
- Optimized annual analysis process by creating a user-friendly tool that processed data automatically in Power BI
- Analyzed data using SQL to identify trends and anomalies that may impact pricing and financial forecasting
- Developed actuarial models to evaluate risk, pricing, and financial outcomes for various dental insurance products

UCLA Student Media   **Los Angeles, CA**
DevOps Intern   *Feb 2023 - Jun 2023*
- Built internal websites with various purposes such as inventory and timesheet websites
- Constructed website's user interface with the front-end development team using React.js
- Managed and ensured functionality of WordPress websites (Linux servers, databases, DNS, site reliability)

UCLA USAC Office of the President   **Los Angeles, CA**
Graphics and Web Design Intern   *Apr 2023 - Jun 2023*
- Established design guidelines, standards, and best practices that aligned with the Office of the President's branding
- Created infographics and other visual aids for various social media platforms and events
- Reached over 8,000 students on Instagram; increased student involvement in the President's events

RESEARCH PROJECTS

Use-and-Drop Members, Delta Dental Insurance
Individual Research
- Identified member behavior that abused Delta Dental's individual insurance plans by using and dropping
- Analyzed the costs associated with use-and-drop members using different metrics such as age and location
- Presented our findings to actuarial managers and discussed a strategy to reduce overuse by 50%

Artist Diversity in US Museums, UCLA
Data Visualization Specialist, Team Member
- Investigated factors causing disparity in representation among artists using data from 16 prominent US museums
- Cleaned through 10,000 entries of artist data to fix issues stemming from the collection process using regex in R
- Utilized Tableau to visualize relationships between artists and their defining characteristics

Twitter Influence on Music, UCLA
Data Specialist, Team Member
- Analyzed unstructured text while utilizing word frequency, dispersion, and KWIC methods
- Scraped and transformed Twitter datasets using data wrangling techniques and tidyverse package in R (tidyr, dplyr)
- Performed sentiment analysis to determine the overall mood produced by each tweet utilizing vader package in R

OTHERS
- **Computer:** Proficient in Microsoft Excel, Power BI, Tableau, WordPress
- **Statistical/Programming Language:** Advanced SQL & R; Proficient Python, Stata, & JavaScript