Anthony Cu

(925) 854-8627 | anthonycu@ucsb.edu | San Jose, CA | linkedin.com/in/anthonycu | anthonycu10.github.io

EDUCATION

University of California, Santa Barbara   SEPTEMBER 2021 - JUNE 2025
Bachelor of Science, **Mathematics** and **Statistics & Data Science**.   **GPA 3.97**/4.0
Dean's Honors: all quarters. College of Letters & Science Honors Program.

Relevant Coursework: Principles of Data Science, Probability & Statistics, Regression Analysis, Problem Solving with Computers, Statistical Machine Learning (exp. Winter 2024), Linear Algebra, Real Analysis, Introduction to Topology

SKILLS

Languages: R, SQL, Python, C++, C#, Java   **Tools:** ggplot2, plotly, dplyr, Microsoft Excel
Databases: Unix shell scripting, Git, MySQL   **Web Technologies:** HTML5, LaTeX

HIGHLIGHTED PROJECTS & EXPERIENCE

Diseases of Affluence   AUGUST 2023 - PRESENT
Research Assistant
- Gather 3 datasets of nutritional and health surveys to identify and recognize the correlation between wealth and nutritional diet and thus causation of disease, or what is known to be "Diseases of Affluence," in India.
- Develop algorithm to extract, clean, condense, and combine large datasets using querying and data manipulation tools (e.g. dplyr) in R.
- Produce visualizations using ggplot2 such as waffle charts to portray nutritional intakes and grouped bar charts regarding BMI categories, blood pressure, and glucose levels filled by various wealth quintiles.

Lean On Me National   JUNE 2022 - AUGUST 2022
Data Visualization Intern
- Built 100+ data visualizations (e.g. bar graphs, time series, donut charts, and box-and-whisker plots) using ggplot2 to display on Lean On Me's national and 12 chapter websites.
- Analyzed 6 years of existing temporal, binary, qualitative, and quantitative Airtable data, producing visualizations such as stress levels before vs. after a conversation, most frequent conversation topics, and frequency of conversation variations based on factors like time of week, time of day, duration, and wait time.
- Generated conclusions that effectively showed the organization's mental health impact, supplementing its financial and networking efforts, and user activity trends, offering insight into how to improve and update its supporter training protocols.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Department of Statistics and Applied Probability, UC Santa Barbara   SEPTEMBER 2022 - PRESENT
Undergraduate Learning Assistant
- Lead biweekly lab sections of 30+ students and hold drop-in office hours to tutor students in data science principles (e.g. R programming, SQL, and statistics).
- Facilitate class lectures of 200+ students and online discussion forums to answer student inquiries and observe recurring difficulties.
- Shape course content by designing weekly quizzes and developing problems for assignments.

Campus Learning Assistance Services, UC Santa Barbara   SEPTEMBER 2023 - PRESENT
Tutor
- Lead drop-in tutoring sessions in concepts of probability (e.g. random variables, combinations and permutations, discrete/continuous distributions, moment generating functions, expected values, Central Limit Theorems).
- Collaborate with faculty to discuss methods of enhancement in student learning and engagement.

Lean On Me, UC Santa Barbara
Marketing Coordinator (2023-24 Executive Board)   JUNE 2023 - PRESENT
- Design weekly Instagram posts announcing club information, advertising social events, and spreading awareness on various mental health topics.
- Lead and coordinate weekly club meetings. Interview and train new supporters.

Finance Coordinator (2022-23 Executive Board)   MAY 2022 - JUNE 2023
- Networked and presented to 4 communal organizations, raising $2000+ of funding for the UCSB chapter.
- Managed chapter's annual budget plan, overseeing national fees and payments for school events/socials.

Supporter   FEBRUARY 2022 - PRESENT
- Attentively listen, practice awareness, and reflect to emotionally support users of the peer-to-peer texting hotline.