

Ken Vu

GRADUATE STUDENT IN STATISTICS

California State University - East Bay, Hayward, CA

✉ ken.vu.777@gmail.com | 📷 Ken-Vu | 🌐 kenvu1

Education

California State University - East Bay

MS STATISTICS

- GPA: 4.0

Hayward, CA

Jan 2021 — May 2023

San Jose State University

BS APPLIED MATHEMATICS, MINOR IN COMPUTER SCIENCE

- GPA: 3.7
- President's Scholar (Fall 2018)
- Dean's List (Fall 2018)

San Jose, CA

Aug 2018 — May 2020

Professional Experience

City of San Jose

CIP GRADUATE STUDENT INTERN

- Support sampling activity during the startup and testing of the new Temperature Phased Anaerobic Digesters (TPADs) at the San Jose-Santa Clara Regional Wastewater Facility (RWF)

San Jose, CA

Dec 2022 — Present

California State University - East Bay

TEACHING ASSOCIATE

- Taught two undergraduate-level co-requisite labs for introductory statistics courses for classes of 24 students each

Hayward, CA

Aug 2022 — Dec 2022

RESEARCH ASSISTANT

- Co-designed a process in Python to load in, process, and visualize signal data under the supervision of Dr. Derek J. Kimball of the Department of Physics
- Simulated data at different frequencies using the Normal distribution to determine the threshold needed to detect signal data

May 2022 — Jul 2022

San Jose Conservation Corps + Charter School

PERFORMANCE MONITORING & EVALUATION FELLOW

- Determined the outputs, outcomes, and indicators for their respective environmental projects (i.e. community composting, food rescue for underserved communities, e-waste collection, etc) as well as the tools and procedures for measuring them
- Applied natural language processing (NLP) techniques in R (such as sentiment analysis, topic modeling, etc) to analyze survey data regarding student feedback on environmental justice trainings
- Contributed to the enhancement of policymaking decisions impacting the effectiveness of environmental conservation projects

San Jose, CA

Jun 2021 — Aug 2021

San Jose-Evergreen Community College District

RESEARCH ASSISTANT

- Designed, administered, and distributed more than 3000 online surveys campus-wide and district-wide via Qualtrics to help assess the college community's needs and inform policymaking decisions
- Created and disseminated documentation (i.e. literature reviews, presentation slides, etc) and research summaries that highlight relevant metrics measuring the impact of higher education initiatives on different student demographics

San Jose, CA

Feb 2019 — Aug 2019

Community Service

The Cal State East Bay ASA Student Chapter

COMMUNICATIONS CHAIR AND CO-FOUNDER

- Manage the organization's social media channels, emails, and correspondence within and outside the organization regarding the organization's news, updates, and activities via email, LinkedIn, Discord, and other online platforms
- Build a community of students interested or majoring in statistics (and other related areas) through in-person outreach events, social media, and other relevant channels
- Provide opportunities for students to develop and enhance their leadership skills through various volunteer and social activities, including virtual hangouts and interactions with local & national-level statisticians

Hayward, CA

Nov 2021 — Present

SJSU Best Buddies Student Chapter

1-1 FRIENDSHIP BUDDY AND MEMBER

- Provided weekly and monthly check-ins with an assigned student with intellectual or developmental disabilities (IDD) in order to develop and maintain opportunities for practicing interpersonal relationships with one another

San Jose, CA

Sep 2019 — Aug 2020

Mt. Pleasant Marine Corps Junior Reserves Officers' Training Corps (MCJROTC)

San Jose, CA

CADET (2011-2014), BATTALION EXECUTIVE OFFICER (2014-2015)

Aug 2011 — Aug 2015

- Coordinated with community organizers and other cadets at various community events & activities to provide the personnel and logistical support needed to successfully run and manage these events (i.e. set-up, cleanup, parking security, etc)

Skills

Research

DATA ANALYSIS & VISUALIZATION, STATISTICAL LEARNING, RESEARCH METHODOLOGY, NATURAL LANGUAGE PROCESSING, STATISTICAL INFERENCE, ANALYSIS OF VARIANCE

Programming languages

R, PYTHON, SQL

Personal

TIME MANAGEMENT, LEADERSHIP, ORAL & WRITTEN COMMUNICATION, RESOURCEFULNESS

Tools

R/RSTUDIO, GITHUB, JUPYTER NOTEBOOK, GOOGLE SUITE, TABLEAU