

Dahlia Sukaik

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EDUCATION

Bachelor of Science, Computer Science, Minor in Data Science

California State University, Fullerton, Fullerton, CA
Dean's Honors List (2020 to present)

May 2025
3.7 GPA

PROFESSIONAL EXPERIENCE

Cal State Fullerton, Fullerton, CA

August 2020 – December 2024

Lead Tutor: University Learning Center

- Collected, cleaned, and analyzed **tutoring session data** (10,000+ sessions) using **Excel** and **Python** to identify usage trends, improve resource allocation, and increase session efficiency.
- Mentored students on programming best practices, debugging techniques, and effective use of development tools.
- Assisted in training new tutors, sharing effective tutoring techniques and resource materials.
- Analyzed tutoring session data in Excel and Python to gain insights into tutor-student interactions, subject demand, and engagement trends, informing scheduling and resource allocation.

Cal State Fullerton, Fullerton, CA

May 2022– December 2023

Board of Directors for the College of Engineering and Computer

- Collaborated on policies for Associated Students Inc., approving funding allocations totaling over \$100,000, and representing the interests of 7,000 students on 4 university committees.
- Developed and implemented outreach programs that increased the enrollment of women and minorities in Engineering and Computer Science by 20%, contributing to a more diverse and inclusive student body.

University of California, Irvine, Irvine, CA

January – August 2023

Fellow, SoCal Data Science Program

- Conducted machine learning regression and odds ratio analyses using R and Python to explore the relationship between Vertebral Compression Fractures (VCF) and immunotherapy options.
- Utilized advanced database queries spanning over 50,000 patient records to ensure comprehensive data coverage and reliable statistical findings.
- Collaborated with a multidisciplinary research team, contributing to findings presented at the UCI Undergraduate Research Symposium.

ADDITIONAL RELEVANT EXPERIENCE

Engineering Social Justice Competition – Third Place, Fullerton, CA

October 2024 – Present

- Leading a cross-functional team in designing a campus safety app to enhance security for female students; defining product vision and roadmap using Agile methodologies.
- Conducting user research and gathering data from over 100 students to inform software design; collaborating with campus safety officials and IT departments to integrate with existing systems and ensure compliance with FERPA and GDPR regulations.

Titan Routes Navigation System: [Download Titan Routes](#)

August – December 2024

- Developed a cross-platform campus navigation system (web and iOS) with integrated AR features for 3D building visualizations and real-time routing, enhancing campus navigation efficiency by 50% and serving over 1,000 users.

ASA DataFest UCLA, University of California, Los Angeles, Los Angeles CA

April 2023

- Collaborated with a team of 4 to analyze large datasets from the American Bar Association over a 3-day period. Proposed data-driven strategies to improve client-attorney interactions and streamline communication processes.
- Employed SQL and Python for data cleaning, exploration, and visualization, delivering actionable insights on improving client-attorney communication processes.

SKILLS

Strengths: strategic, learner, problem-solving, analytical, achiever, empathy, adaptability, communication, collaborative, effective

Data-analytics: SQL, Python (Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, Plotly), R/RStudio, Tableau, Power BI, Looker

Web: C++, Node.js, Express.js, HTML5, CSS3, JavaScript (ES6+), React.js, Responsive Design, RESTful APIs, PostgreSQL, MongoDB

Tools & Technologies: Git, GitHub, NPM, CLI proficiency, AWS, Terraform, Test-Driven Development (TDD), Agile methodologies (Scrum, Kanban)