

# Alex Dieter

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## EDUCATION

### University of California, Santa Barbara

Bachelor of Science in Statistics and Data Science

Expected Graduation: June 2026

Major GPA: 3.6

### University of California, Santa Cruz

Bachelor of Science in Electrical Engineering

July 2023- June 2024

Transfer GPA: 3.8

## SKILLS

**Technical Skills:** Python, R, SAS, SQL, Pandas, ML, Excel, BigQuery, Google Cloud, Big Data, Typescript, JavaScript, HTML/CSS, C++, Microsoft Teams, PowerBi, Tableau, Data Visualization, Data Modeling

**Frameworks:** Angular

## EXPERIENCE

### Data Science Intern

Kaiser Permanente

June 2025 – Septemeber 2025

Los Angeles, CA

- Conducted data analysis on pediatric surgical outcomes to identify trends and areas for improvement
- Built and managed a Power BI dashboard comparing ACS NSQIP surgery data with outcomes from 10+ Kaiser Permanente SoCal hospitals; led team transition and hand-off.
- Collaborated with Surgical Clinical Reviewers (SCRs) to validate and interpret patient outcome data
- Assisted in abstracting and cleaning clinical data for use in ongoing quality improvement projects

### Data Science / Software Developer Intern

Biju Inc (Hybrid)

Mar. 2024 – June 2025

Santa Rosa, CA

- Participate in user testing and gathered real client feedback to refine application functionalities for better UX.
- Contribute to the development of an application aimed at streamlining invoice management and communication for small business owners.
- Assist in coding and debugging features related to invoicing, client communication, and data management.

### Executive Board Member

Alpha Epsilon Pi (AEPi Fraternity)

Oct. 2023 – June-2024

University of California Santa Cruz, CA

- Provided leadership and strategic direction for fraternity operations, including event planning, member recruitment, and community outreach.
- Managed a budget to ensure financial stability and allocation of funds for various chapter activities and initiatives.

## PROJECTS

### NFL Home-Field Advantage | Python

Sept. 2024 – Oct. 2024

- Analyzed NFL game data (1966–2023) to explore home-field advantage and its effect on team performance.
- Used Python and libraries (Pandas, Matplotlib, NumPy) to run statistical analyses and create visual insights.
- Cleaned and processed datasets to track trends in home wins and stadium changes.
- GitHub Repository: <https://github.com>

### Investment App | Angular

June 2024 – June 2024

- Developed a simple investment application that calculates and provides a detailed list of expected returns based on user inputs, including initial investment, annual contributions, expected return rate, and investment duration.
- The application offers clear and concise projections, allowing users to explore different investment scenarios.
- GitHub Repository: <https://github.com>

## CERTIFICATES

### Google Data Analytics Certificate

Issued Sep. 2024

Coursera

### IBM Data Science Professional Certificate

Issued Sep. 2024

Coursera

### Machine Learning With Python

Issued October 2024

LinkedInLearning

### Angular - The Complete Guide

Issued July 2024

Udemy