Alex Dieter

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EDUCATION

University of California, Santa Barbara — Santa Barbara, CA
Bachelor of Science in Statistics and Data Science — *Aug. 2024 – Present*
Expected Grad: June 2026

University of California, Santa Cruz — Santa Cruz, CA
Bachelor of Science in Electrical Engineering — *July 2023 – June 2024*

SKILLS

Technical Skills: Python, R, SQL, Pandas, ML, Excel, Typescript, JavaScript, HTML/CSS, C++
Frameworks: Angular

EXPERIENCE

Data Science / Software Developer Intern — Mar. 2024 – Present
Biju Inc (Hybrid) — *Santa Rosa, CA*
- Participated in user testing and gathered real client feedback to refine application functionalities for better UX.
- Contributed to the development of an application aimed at streamlining invoice management and communication for small business owners.
- Assisted in coding and debugging features related to invoicing, client communication, and data management

Executive Board Member — Oct. 2023 – June-2024
Alpha Epsilon Pi (AEPi Fraternity) — *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

EasyTask | *Angular* — May 2024 – June 2024
- Developed a full-featured task management application using Angular, enabling user management, and task creation.
- Designed and integrated a user-friendly interface to streamline task management processes, improving UX.
- 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