Claire Nabours

Active Security Clearance: Secret

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES   Expected Graduation: **June 2026**

Bachelor of Science in Statistics and Data Science   *GPA: 3.62*

- **Relevant Coursework:** Applied Statistical Programming and Modeling, Theoretical and Applied Probability and Statistics, Experimental Design and Analysis, Introduction to Computer Science with C++, Monte Carlo Simulation Methods, and Machine Learning and Predictive Modeling

CERTIFICATIONS & TECHNICAL SKILLS

Certifications: Alteryx Designer Core Certification   *Achieved: August 2025*

Skills: Python, R, SQL, C++, Power BI, Tableau, Simulation, Modeling, Optimization, Neural networks, Probability, Statistics, & Experimental design, Software Engineering, Cross-functional Communication, Minimum Viable Product Delivery, and Agile.

INTERNSHIPS

Reinsurance Group of America   *Summer of 2025*

Business Architecture Intern

- Contributed to migrating and modernizing legacy valuation systems onto enterprise data platforms (EDP), improving scalability, maintainability, and overall performance while ensuring alignment with enterprise architecture standards.
- Designed, developed, and optimized financial and operational reporting dashboards by transitioning from Tableau to Power BI, implementing DirectQuery for large datasets, enabling real-time insights, and improving decision-making efficiency across business units.
- Optimized data pipelines through advanced Alteryx workflows, incorporating robust error handling, validation logic, automated quality checks, and seamless SQL and ETL integration to ensure high data integrity, reliability, and process efficiency in valuation reporting.
- Collaborated cross-functionally with business strategy, analytics, and actuarial teams to streamline data workflows, standardize reporting logic, and strengthen the technical infrastructure supporting enterprise-wide data science initiatives.

Northrop Grumman   *Summer of 2024*

College Technical Intern

- Refactored and optimized C++ simulation code within AFSIM to enhance radar search algorithms, improving rasterization efficiency and increasing area coverage by ~30% through parameter tuning, algorithmic redesign, and advanced performance optimization techniques.
- Conducted radar performance analysis using Python, deriving novel spatial coverage metrics not previously available, performing multivariate analysis, and identifying critical factors influencing search effectiveness to inform algorithmic enhancements.
- Designed and implemented a digital controller prototype integrating real-time weather data APIs, modeling dynamic pre-flight environmental conditions, generating interactive visualizations, and supporting data-driven pilot decision-making.
- Developed official technical documentation and standardized methodologies based on research of radar search strategies and AFSIM simulations, defining quantitative metrics for radar accuracy and efficiency, and detailing Python workflows for reproducible results.

LEADERSHIP & EXTRACURRICULARS

ACM-W Tech Fellowship   *Winter 2026-Spring 2026*

Product Management and Software Engineering Fellow

- Selected as a fellow in a highly competitive, two-quarter, cohort-based technical fellowship focused on end-to-end product development, guiding ideas from ideation and user discovery through prototyping, iteration, and minimum viable product (MVP) delivery.
- Collaborate in cross-functional, multidisciplinary teams to architect, design, and implement a product solution, applying product management frameworks, human-centered design principles, and software development best practices across the full product lifecycle.
- Engage in mentor-led technical and strategic workshops covering product strategy, system design, agile execution, and go-to-market considerations, while participating in structured weekly working sessions to drive measurable project progress.
- Will develop and deliver a data-driven, stakeholder-focused final pitch, presenting product vision, technical implementation, and market rationale to industry professionals, startup founders, and alumni, emphasizing impact, scalability, and feasibility.

UCLA Competitive Sports   *2023-present*

General Manager

- Check in intramural participants to their games and provide customer service to attendees and athletes.
- Keep scores and times for games and help set up and tear down equipment and tents for events.

ADDITIONAL ACTIVITIES & INTERESTS

- Activities: Kappa Kappa Gamma Sorority.
- Interests: Data Science, Machine Learning, Product Management, AI, Neural Networks, Software Development, Consulting, and Yoga.