Clayton Olsen
Data Scientist

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Summary:

- 4+ years of experience in statistical modeling, machine learning, and exploratory data analysis at an AI company, with a focus on real-world time series data and decision support tools
- Skilled in Python, R, and data engineering; experienced in communicating complex statistical concepts to technical and non-technical audiences
- Taking evening post-baccalaureate courses in clinical psychology at UC Berkeley Extension; seeking a research assistant role to gain hands-on experience in behavioral or clinical science alongside academic training.

Work Experience:

Solutions Engineer

Falkonry Inc - Cupertino - Dec 2024 to Present

- Leading development of statistically driven tools for understanding behavioral signals and system feedback across various time series data applications
- Collaborating with clients to interpret results, communicate model insights, and train users on data-driven decision making
- Currently enrolled in evening post-baccalaureate coursework in clinical psychology at UC Berkeley Extension; seeking hands-on research experience in behavioral science and human subjects research

Volunteer Teacher Assistant

Homework Central - San Mateo - March 2025 to Present

- Support 4th–5th grade students in an after-school learning environment, assisting with homework and engagement activities
- Collaborate with teachers to build positive learning experiences for students from diverse and underserved communities

Volunteer Educator/Travel Peru

El Hilo Rojo ONG - Trujillo, Peru - July 2024 - Sep 2024

- Designed and led educational programs for children through a community-based NGO focused on education, food security, and shelter
- Practiced conversational Spanish while volunteering and participating in cultural exchange

Software Engineer, ML Engineering Team

Falkonry - Cupertino, CA - Nov 2021 - May 2024

- Designed and evaluated hundreds of classification and anomaly detection models using real-world, high-dimensional time series data
- Developed and tested experimental pipelines for spatial and temporal behavior modeling, including trajectory prediction and density estimation
- Managed deployment pipelines and cloud-based data infrastructure using Python, REST APIs, and AWS tools
- Led interactive training sessions with non-technical stakeholders to explain data patterns, modeling decisions, and reliability metrics

Data Science Team Intern

Sparta Science - Palo Alto, CA - 06/2020 - 11/2021

- Built and validated neural network models to predict injury risk and physical performance using athlete force plate data
- Conducted exploratory and inferential data analyses in Python and R, supporting model reliability studies for clinical and sports science applications
- Co-developed reproducible research workflows and performance metrics used in product development and clinical validation

Education:

MS Statistical Science, University of California Santa Cruz (2021)

- **Capstone Project:** Implemented Bayesian methodology to study trade-offs between efficacy and toxicity to find the dose level that optimizes a utility function in a variety of simulated experiments

BA Business Analytics, Seattle University (2019)

Post-Baccalaureate Coursework (In Progress), Clinical Psychology, UC Berkeley Extension — Starting Fall 2025