

Kathryn Erin Lyons

San Francisco, CA

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EDUCATION

University of California at Los Angeles – Anderson School of Management

Los Angeles, CA

Master of Science in Business Analytics (MSBA) | Expected December 2024

- Optimization, SQL and Data Management, Machine Learning for Decision Making, Data Management, Business Fundamentals for Analytics, Prescriptive Models, Customer/Competitor/Operations Analytics, Statistical Foundations for Analytics

Stanford University

Stanford, CA

Bachelor of Science in Human Biology with Data Science minor | June 2023

- Cumulative GPA: 3.8/4.0.
- Multivariable Calculus, Statistics, Computer Science, Network Analysis, Data Mining and Analysis, Meta-analysis, Human Biology, Epidemiology, Accounting, Financial Modeling, Excel, R, Python, MATLAB.

TECHNICAL SKILLS

Languages: Python, SQL, R, MATLAB

Software: Excel, PowerPoint, Tableau

PROFESSIONAL EXPERIENCE

Eagle Genomics | *Bioinformatics Intern* | Summer 2023

London, UK

- Collaborated with Bioinformatics team to further understanding of the microbiome and human health on AI-driven platform at the intersection of data and the life sciences.
- Conducted research project to identify how microorganisms interact with genes and proteins to influence host health and disease. Pre-processed data, used Sparse CCA and Lasso regressions in R, and interpreted results to infer significant interactions.
- Used project framework to create a pipeline for more generalized analytics use cases as an offering for future customers.

Health[at]Scale | *Sales Enablement Intern* | Summer 2022

San Jose, CA

- Performed segment analysis by researching and identifying areas of healthcare industry for new market growth opportunities and adoption of AI-driven precision navigation technology including Provider, Employer, Health Insurer, and Medicare Advantage markets.
- Performed competitive analysis of other AI and machine learning precision navigation healthcare technology companies; identified key marketing strategies and differentiating factors for Health[at]Scale.
- Helped design, organize, and execute outreach initiatives to customers and partners, tailoring software solutions to applicable use cases.
- Researched healthcare disparities and how they shape outcomes; created summary of findings that was distributed company wide.

Stanford Computational Brain Research and Intervention Lab | *Research Assistant* | Summer 2021

Stanford, CA

- Assisted research team for assessment and enhancement of neurocognitive function and interventions in people with neurocognitive and neurodegenerative disorders.
- Conducted research project that identified data-supported association between olfactory dysfunction and neurodegeneration. Presented findings and the potential use of predictive analytics for earlier interventions.
- Significant data analysis performed utilizing linear regression, principal component analysis, and support vector regression in MATLAB. Predicted olfactory function from structural brain markers to assess potential as predictor for future neurocognitive decline.

LEADERSHIP & ACTIVITIES

Stanford Varsity Women's Water Polo | 2019-2023

- 2022 and 2023 Division I NCAA champion
- Awards: Four-time ACWPC All-Academic - Superior ('20-23), Three-time MPSF All-Academic ('21-23), Three-time Pac-12 Honor Roll ('21-23)

Pi Beta Phi Sorority | 2021-2023

- Helped lead fundraisers for the Read > Lead > Achieve philanthropy, supporting child literacy in local communities.

Partners for Academic Excellence Mentor | 2021-2023

- Mentor and peer counselor for first-year student athletes at Stanford.

Student-Athlete Advisory Committee | *External Affairs* | 2021-2023

- Focus on NCAA and PAC-12 level policy and advocacy for issues resonating with Stanford's student-athlete population.
- Worked with compliance office on NIL activities and regulations, as well as sustainability efforts such as student-athlete gear drives.

Creative Writing | 2010-present

- Winner of numerous national, state, and regional writing competitions including Poul Anderson Writing Contest, California Writer's Club, Scholastic Art & Writing Award, and Kay Snow Writing Competition.

Voices of America Youth Radio Reporter | 2015-2019

- Reporter for *Express Yourself*, a national on-line radio broadcast weekly radio podcasts. Reporting focus: goal setting, leadership, communication

ADDITIONAL

Presentation Skills: Quarterly TED Talks to Stanford Water Polo Team and new recruits

Languages: Proficient in Spanish.

Interests: Creative Writing, Reading, Open Water Swimming, Hiking, Travel