# KATIE HANNIGAN

khannigan@ucsd.edu | (408) 466-1474 | linkedin.com/in/katie-hannigan-423134238

## EDUCATION

**University of California San Diego**                                                                      June 2027
*Bachelor of Science, Data Science*                                                                      *La Jolla, CA*
**University of California San Diego**                                                                      June 2027
*Bachelor of Science, Business Economics*                                                                      *La Jolla, CA*

## WORK EXPERIENCE

**Neology**                                                                      September 2025-Present
*Data Science Intern*                                                                      *Carlsbad, CA*
- Assisting with data preprocessing and exploratory analysis of large-scale toll transaction datasets.
- Supporting model development for traffic prediction and anomaly detection using Python and SQL.
- Collaborating with engineering and analytics teams to build dashboards and automate reporting pipelines.

**Booz Allen Hamilton**                                                                      June-September 2025
*Data Science and Product Management Intern*                                                                      *San Diego, CA*
- Applied ML models (XGBoost, LSTM) to biometric data, generating real-time performance insights.
- Led a team of four interns, driving alignment across data science, UX, hardware, and full-stack teams during an 8-week Agile sprint, achieving project milestones ahead of schedule and boosting team productivity by 25%
- Improved model accuracy and usability by ~50% through iterative feedback.
- Boosted sprint efficiency by ~30% through structured backlog grooming and sprint planning, delivering a stakeholder-ready MVP recognized as top 5 of 34 teams.

**Sanford Consortium for Regenerative Medicine**                                                                      October 2024-August 2025
*Machine Learning Research Assistant*                                                                      *La Jolla, CA*
- Developed a segmentation pipeline for neurological images, automating ventricle detection with advanced CV methods.
- Implemented Python pipelines (distance transforms, thresholding, SAM) to extract and analyze irregular anatomical regions.
- Initiated training of adapted deep learning models to improve segmentation accuracy and feature extraction in hippocampal imaging.

**The Site Supply**                                                                      August 2022-May 2024
*Market Research Analyst*                                                                      *Remote*
- Analyzed large datasets from 11 client companies, driving insights for 10,000+ consumers in the vinyl resale market.
- Built Python predictive models to forecast demand and pricing, enabling proactive inventory and pricing decisions.
- Streamlined market intelligence reporting by automating data collection and visualization, reducing time-to-decision for stakeholders by 40%.
- Provided strategic insights that led to a 20% increase in market share for client companies

## SKILLS

Python, Java, SQL, R, MATLAB, Swift, Stata, JIRA, Figma, Confluence, Git, Agile workflows, NumPy, Pandas, scikit-learn, PyTorch, Tensorflow, OpenCV, Altair, D3.js, Matplotlib, SciPy, Databricks, Tableau, Jupyter, HTML, SolidWorks, Arduino, Linux, Executive presentation, Stakeholder communication, Data storytelling, Cross-functional collaboration, Analytical thinking, Problem-solving, Leadership, Adaptability, Public speaking, Project scoping, Risk Management, Strategic Planning, Business Analysis, Cost Analysis, HTML/CSS, JavaScript, Cursor, GitHub Copilot, Market Trend Analysis, Consultive Selling, Ci/CD pipelines, AWS, Docker, DevOps