

Trey C. Scheid

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Summary

With a foundation in industry analytics and applied data science, I create effective solutions through collaboration and curiosity. My recent work incorporates advanced AI techniques, allowing me to deliver impactful results and guide peers as a mentor and club leader. I thrive on connecting ideas and people across fields to uncover unique approaches to modern challenges.

Education

University of California San Diego

September 2021 - June 2025

Bachelor of Science in Data Science at Halicioğlu Data Science Institute, Minor in Mathematics

GPA: 3.90 Cum Laude

Skills

Programming: Python, AWS, Excel, SQL, NLP, Git, Web-Scraping API, LLM Agents, statistical modelling

Problem-Solving: big-picture, detail-oriented, analytical

Soft Skills: leader, clear communicator, curious, independent, adaptable

Experience

Machine Learning Engineer – Estuate, Milpitas CA

May 2025 – Present

- Built AI production application for technical support engineer assistance at scale.
- Implemented a RAG pipeline using custom data sources, processing functions, prompts and output structures
- Boosted engineer productivity to reduce average ticket resolution time and increase customer satisfaction.

Data Scientist Intern – Omnium CPG, San Francisco CA

June 2024 - September 2024

- Consulted across 5 food product categories on sales controllables in trade spend
- Product discontinuation prediction methods lacked interpretability, accuracy and descriptiveness
- Patched and packaged the algorithm for prediction using R scripts and excel ETL pipelines
- Informed business decisions around item discontinuation for many manufacturers, identified up to \$15,000 at each

Data Analyst Intern – Valley Fine Foods, Benicia CA

June 2023 – September 2023

- Reported on 7 key performance indicators about plant production operations to senior management weekly
- Orchestrated kaizen project using LEAN to reduce product giveaway by 5% and pinpoint waste sources
- Streamlined reporting, data collection, and data validation to reduce 10 hours of labor per week

Projects

Balanced Recipes – Hypothesis testing & Machine Learning

trey-scheid.github.io/Balanced-Recipes/

- Cleaned almost 250,000 recipe interactions using pandas
- Analyzed for data missingness types and feature distributions on 16 columns
- Hypothesized about seasonal trends of healthy recipes using statistical tests
- Engineered features with PCA and variance thresholds from text, then cross validated 6 models for predicting recipe healthiness using scikit-learn pipelines

Activities & Awards

Community Award / 2025 / Halicioğlu Data Science Institute UCSD

Vice President & Department Liaison / 2024-25 / Data Science Student Society at UCSD

Captain UCSD Air Squids Ultimate Frisbee 2022