Tyler Chia

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https://www.linkedin.com/in/tylerchia/ | https://tylerchia.github.io/TylerChiaPortfolio/

EDUCATION

University of Texas at Austin Grad: **Spring 2025**
M.S. in Data Science **GPA: 4.00/4.00**
University of California, Santa Barbara Grad: **Spring 2022**
B.S. in Statistics and Data Science + B.A. in Economics **GPA: 3.80/4.00**
Minors: Spatial Science, Professional Certificate in Technology Management
Activities: Letters and Science Honors Program, Honors Program Mentor, Data Science UCSB Club Mentor, Technology Management Program, UCSB Resilience Summit and Certificate Program
Awards: Dean's Honors (L&S)-(Spring 2020, Fall 2020, Winter 2021, Fall 2021), Awarded $5000 to participate in UCSB's NSF-funded Central Coast Data Science Fellowship for the 2021-2022 academic year
Certifications: Python For Data Science and Machine Learning (UDemy), Tableau Fundamentals (DataCamp), Machine Learning Fundamentals in R (DataCamp), Shiny Fundamentals (DataCamp), NLP in Python (DataCamp), LLMs (UDemy)

WORK EXPERIENCE

ML Engineer| *Reyes Coca-Cola Bottling | Irvine, CA* **September 2022-Present**
- Collaborated on a 4-person data science team to apply ML and automation for process optimization, cost reduction, and revenue growth.
- Deployed an end-to-end MLOps pipeline using Docker and AML for automated retraining and drift detection.

Data Science Intern | *Reyes Coca-Cola Bottling | Irvine, CA* **June 2022-September 2022**
- Built a customer segmentation model for food service clients (QSRs, universities) to identify traits and product mixes of high-profit customers.
- Designed and deployed an agglomerative clustering + business logic solution to optimize surveyor driving routes, saving 20 labor hours/month via an Alteryx workflow handed off to Sales Ops.

Data Science Fellow | *Central Coast Data Science Partnership | Santa Barbara, CA* **September 2021-June 2022**
- Completed UCSB's year-long Data Science Capstone Series, jointly offered by the Statistics and Computer Science departments.
- Served on committees organizing data science events, tutoring sessions, and community outreach initiatives.
- Collaborated with Carpe Data, an insurance technology firm, on a capstone project classifying potential fraud using HTML-based features.

Data Analytics Intern | *UCSB Baseball Analytics Team | Santa Barbara, CA* **September 2021-June 2022**
- Applied data analysis and machine learning in R and Python to support UCSB Division I Baseball in performance optimization research.
- Built interactive RShiny web apps visualizing player statistics by position for performance tracking and strategy insights.
- Delivered weekly scouting reports on opposing teams, contributing to a 43–12 record, Big West Championship, and NCAA regional playoff berth.

Undergraduate Research Assistant |*UCSB Hegarty Spatial Thinking Lab* **April 2021-June 2022**
- Supported spatial cognition research through data cleaning, statistical analysis, and visualization.
- Processed and reformatted GPS (GPX) data for hundreds of participants using Python and R.
- Computed distance and efficiency metrics and visualized participant navigation paths over map overlays.

SKILLS

Languages: Python, R, SQL, C++, SAS, PySpark
Development: Pandas, Pytorch, Tensorflow, Tidyverse, Scikit-learn, Caret, Huggingface, LightGBM, XGBoost, Optuna, NLTK, SpaCy, Prophet, langchain
Visualization: HTML, CSS, PowerBI, ggplot2, Matplotlib, Seaborn, Plotly, Tableau, RShiny, PyShiny, Streamlit

Cloud/Deployment: Snowflake, Databricks, Azure ML, Github, Docker, Azure DevOps, Alteryx
Mapping: SF, Raster, Leaflet, OpenStreetMap, Whitebox, ArcGIS, ESRI