

Tyler Chia

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

EDUCATION

University of Texas at Austin

M.S. in Data Science

Grad: **Spring 2025**

GPA: 4.00/4.00

University of California, Santa Barbara

B.S. in Statistics and Data Science + B.A. in Economics

Grad: **Spring 2022**

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

- Worked on a 4-person data science team collaborating with functions across the business to utilize technology and machine learning techniques to optimize processes, create cost savings, and increase revenue.
- Deployed MLOps pipeline using Docker and Azure Container Registry to detect model drift and automate retraining.

Data Science Intern | *Reyes Coca-Cola Bottling | Irvine, CA*

June 2022-September 2022

- Created a customer segmentation for our food service on premise customers, which includes quick service restaurants and universities, to determine which characteristics and product mixes are related to higher profit customers.
- Implemented an agglomerative clustering algorithm along with business logic to create optimal driving routes for our surveyors who have to take pictures of products at stores in their territories. Finished product in the form of an Alteryx workflow handed off to the sales ops team thus saving the company 20 hours of labor every month.

Data Science Fellow | *Central Coast Data Science Partnership | Santa Barbara, CA*

September 2021-June 2022

- Took UCSB's data science capstone series, which is a year-long series of classes hosted by both the statistics and computer science departments
- Participated in committees that focus on data science related event planning, tutoring, and outreach
- Collaborated with other fellows in assisting Carpe Data, a local, insurance technology company with their data science project related to classifying fraud based on HTML data

Data Analytics Intern | *UCSB Baseball Analytics Team | Santa Barbara, CA*

September 2021-June 2022

- Assisted the UCSB D1 baseball team with research into topics of interest through data analysis and machine learning in R and Python as a way to improve player performance
- Developed various RShiny web apps that display visualizations of individual player statistics based on position
- Completed weekly scouting reports on opposing teams, assisting the team in finishing with a 43-12 regular season record, a Big West Championship, and a playoff berth at regionals

Undergraduate Research Assistant | *UCSB Hegarty Spatial Thinking Lab*

April 2021-June 2022

- Assisted navigational and spatial thinking projects with data cleaning, statistical analysis and data visualization
- Cleaned and reformatted experimental data from gpx files, using Python and R for hundreds of participants
- Calculated total distance per trial and efficiency statistics in addition to plotting their paths over map images

SKILLS

Languages: Python, R, SQL, C++, SAS, PySpark

Development: Pandas, Pytorch, Tensorflow, Tidyverse, Scikit-learn, Caret, Huggingface, LightGBM, XGBoost, Optuna, NLTK, SpaCy, Prophet

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