Tyler Chia

San Francisco, California | 415-518-6387 | tylerchia@ucsb.edu
https://www.linkedin.com/in/tylerchia/ | https://tylerchia.github.io/TylerChia/

EDUCATION

University of California, Santa Barbara Expected Grad: **Spring 2022**
B.S. in Statistics and Data Science **GPA: 3.79/4.00**
B.A. in Economics
Minors: Spatial Science, Applied Psychology
Professional Certificate in Technology Management
Activities: Letters and Science Honors Program, 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)
Relevant Coursework: Linear Algebra and Differential Equations, Vector Calculus, Data Science Principles, Probability and Statistics, Discrete Math, SAS Base Program, Econometrics, Geographic Information Systems, Big Data in Economics, Regression Analysis, Statistical Data Science, Statistical Machine Learning

---

WORK EXPERIENCE

Undergraduate Research Assistant | *University of California, Santa Barbara* **September 2020-Present**
- Utilizing RStudio to characterize hydrologic regions of the United States by comparing data from the NOAA National Water Model to USGS streamflow gauges
- Developed and finalized a dataframe containing 169,776 observations specific to each USGS site, model, and recurrence interval
- Created several interactive plots and web applications using Tableau and RShiny to display data

PrimeNow Shopper | *Amazon/Whole Foods | San Francisco, CA* **June 2019-March 2020**
- Worked as a shopper that fulfilled orders made by customers through Amazon's PrimeNow program
- Adjusted under high pressure situations in order to fulfill the orders within a given time frame
- Cooperated with fellow shoppers, customers in the store, and drivers who delivered order to customers' homes

Barista | *Supercue Cafe | San Francisco, CA* **June 2019-September 2019**
- Filled orders by making drinks including various teas and smoothies
- Worked under high pressure situations
- Operated point of sales system and interacted with customers and team members

---

PROJECTS

Mitigation Strategy Proposal: Solar Panels | *Honors Contract Project* **September 2020-December 2020**
- Used data science methods such as collection, analysis, manipulation, and visualization to see effects of a mitigation strategy that requires certain homeowners to install solar panels as a way of reducing emissions
- Coding done in R chunks within RMarkdown and pushed to Github to create a Github page

---

SKILLS

Language: R, Python, SQL, C++, SAS
Analysis: NumPy, pandas, tidyverse, scikit-learn, caret
Visualization: ggplot2, matplotlib, seaborn, plotly, tableau, RShiny

Development: RMarkdown, Github, MS Office, HTML, CSS, Jupyter
Mapping: sf, raster, leaflet, OpenStreetMap, whitebox

CERTIFICATIONS

- Python for Data Science and Machine Learning (Udemy) **September 2020**
- Tableau Fundamentals (DataCamp) **March 2021**
- Machine Learning Fundamentals in R (DataCamp) **March 2021**
- Shiny Fundamentals (DataCamp) **April 2021**