

MICHAEL CHEN

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EDUCATION

University of Texas at Austin	BSI Informatics: Data Science Cum. GPA: 4.0/4.0	Est. May 2024
Plano West Senior High School	Cum. GPA: 4.53/4.00 weighted	May 2021

WORK EXPERIENCE

City of Austin x UT iSchool Homelessness Research – *Researcher, Transcription Worker* Fall 2021 – Present

- Collected qualitative and quantitative data from over 70 handwritten surveys from the Austin homeless population.
- Data utilized in further research to improve homelessness services, policy, and aid organizations around the City of Austin.

Telus International AI – *Media/Search Metrics Evaluator* Fall 2020 – Fall 2021

- Evaluated the integrity of over 6000 social media ads in contributing to a database for Facebook's ad analytics.
- Reviewed the accuracy of an AI scraping shopping catalogues and identified flaws in its data collection process.
- Performed 3D modeling annotation on videos in training automatic detection of objects being seen with a moving camera.
- Received recognition for consistent and high-quality work.

LEADERSHIP & ACTIVITIES

University Securities Investment Team – *Quantitative Market Intelligence* Fall 2021 – Present

- Contributed to managing an over \$60k portfolio for UT Austin's largest finance organization.
- Performed quantitative research and modeling, created quantitative trading strategies, and wrote review papers on stock pitches.
- Learned the fundamentals of finance, accounting, data science, financial and statistical modeling, and machine learning.

NASA STEM Enhancement in Earth Science – *Virtual Intern* Spring 2020 – Fall 2020

- Collected citizen science and satellite data using Python and NASA tools. Team representative for a research project using collected data, co-authorship in paper submitted to the Frontiers in Climate journal.
- Identified land cover types most likely to contain mosquito habitats using data science and visualization tools.
- Worked in an image verification study of mosquito larvae to create a machine learning dataset.

Speech and Debate – *Plano West Speech and Debate Team* Fall 2018 – Summer 2021

- Competed in Public Forum Debate at a local, state, and national level. Consistently attended biweekly practices and weekend-long tournaments, developing public speaking, logic, and research and writing skills.
- Volunteered to instruct underclassmen at debate camps, coached and judged at debate tournaments around the country.

PROJECTS

Analysis of the Art Auction Market Fall 2021

- Performed data analysis on a scraped dataset of historical auctions from the auction house Sotheby's containing over 175,000 sales.
- Identified trends in art sales based on artist performance, region, and statistical analysis, developing trading strategies for profiting from the art market. Corroborated results using current literature analyzing the art market.

Analysis of Texas Winter Storm Tweets Spring 2021

- Cleaned and performed exploratory data analysis on a database of tweets in Texas during the 2021 Winter storm.
- Performed sentiment analysis on tweets mentioning wind turbines to search for potential misinformation being spread.

SKILLS

- Python (pandas, scikit-learn, NumPy, seaborn, matplotlib, bs4)
- Secondary Coding (Java, JavaScript, React, LaTeX)
- Additional Data Analysis Tools (SQL, Excel, MSOffice)

HONORS

- DataCamp Python for Data Science Certificates, 30 Hours 2021
- Yale Debate Invitational, 5th place 2020
- Harvard Debate Invitational, 3rd Seed 2020

ADDITIONAL INFORMATION

Interests: Running, Sustainability, PC Building, Mechanical Keyboards, Anime

Work Eligibility: Eligible to work in the US with no restrictions