

Winston Zhou

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Scholastics

2023	M.S.	Applied Data Science	University of Southern California	Los Angeles, CA	3.66 GPA
2018	B.A.	Economics	Carnegie Mellon University	Pittsburgh, PA	3.72 GPA

Relevant Coursework

Probability Theory Regression Analysis Linear Algebra Machine Learning Data Engineering

Technical Skills

Proficient: Python, Tableau, VBA, \LaTeX Familiar: Java, SQL, NLP, HTML, CSS, JavaScript, Git, R

Work Experience

Data Science Intern | Chevron | San Ramon, CA | May - August 2022

- Forecasted Permian oil production output with less overall error than baseline estimates by using a vector autoregression time-series model
- Increased size of usable Permian project data by 40% through revising a data cleaning process
- Merged two disparate data sources to increase the number of modeling features by 50%

Rotational Analyst | Federal Reserve Bank of New York | New York, NY | July 2018 - August 2021

- Retrained a model that is used by an NLP tool to generate document tagging recommendations
- Designed and implemented a system to automate a dashboard updater, resulting in a 2.5x speedup in update times
- Created the [Survey of Primary Dealers](#) and Survey of Market Participants results publication for each Federal Open Market Committee meeting
- Led tech talks showcasing various data tools and how employees are using them in their work
- Visualized intranet web analytics by making a user-customizable Tableau time-series dashboard

Project Experience

iMessagePush | February 2018 - Present

- Develop a program that forwards new iMessages to non-Apple devices using the Pushbullet API

Who Wants to Be a Millionaire? | April - May 2017

- Created a Python replica of the game show, featuring dynamically generated questions and answers

Audio Router | June - July 2016

- Published an app which manually routes the output of internally-generated audio from a BlackBerry 10 smartphone by utilizing the Audio Manager Library from the BlackBerry 10 Core Native SDK
- Downloaded by over 2,000 users spanning 108 countries

Organizational Experience

Logistics Director | Moneythink CMU | Pittsburgh, PA | October 2014 - April 2018

- Wrote a Python program that cuts the amount of time expended on scheduling by at least 50%

Volunteer Experience

Mentor | New York City Mentoring Program | New York, NY | November 2019 - May 2021

- Provided mentoring to high school students on college plans, career paths, and financial literacy

Mentor | Moneythink CMU | Pittsburgh, PA | September 2014 - April 2018

- Taught financial history and personal finance skills to Pittsburgh Public Schools 11-12th graders in order to cultivate financial literacy among youths

Tax Preparer | United Way of Allegheny County | Pittsburgh, PA | January 2015 - April 2017

- Filed 54 tax returns totaling \$136,373 of refunds for Tax Years 2014 - 2016