

Zixi(Jessica) Jiang

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Education

University of Southern California

Master of Science in Applied Data Science

Los Angeles, CA

August. 2020 – Present

- expected graduation in May 2022
- Database Management, Data Science at scale

University of North Carolina at Chapel Hill

Bachelor of Science in Economics; Minor in Statistics

Chapel Hill, NC

Aug. 2018 – May 2020

- General GPA 3.5/4.0
 - Data Models Inference, Methods of Data Analysis, Linear Algebra, Machine Learning
 - MicroMacroeconomics, International Trade, Financial Economics, Public Finance
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Coding Projects

Large Scale Fraudulent Emails Analysis | *Python, Jupyter Notebook, Colab* Jan – March 2021

- Collaborated within a group to processed 4000+ fraudulent emails and extracted 15+ features
- Trained a machine learning model that can discriminates between machine generated and human written emails using TPU on Google Colab
- Used Text-to-tag Ratio (TTR) algorithm in Tika Python to extract relevant text

Stock price query Web App | *Python, HTML, JavaScript, Flask, CSS, Bootstrap* Feb – May 2021

- Scraped 20+ companies' stock from a financial API and stored them in MySQL database in a time-series manner
- Developed a web app using Flask framework which allows users to query the latest stock price data
- Performed parallel processing on data using Spark to speed up data transformation

E-commerce scraping Project | *Python, Jupyter Notebooks, Google Vision API* Nov – Dec 2020

- Scraped 2000+ products' info listed on H&M, Farfetch, and ZARA websites using requests
 - Collected and visualized corresponding companies' historic stock price through stock API
 - Generated keywords for each product's image by accessing Google Vision API and used word clouds to represent the fashion trend
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Technical Skills

Languages: Python, JavaScript, HTML/CSS, R, MySQL, Stata, \LaTeX

Developer Tools: Jupyter Notebook, Git, Google Cloud Platform, Atom, Amazon AWS, Flask, Docker, Metabase (for creating dashboards)

Database Tools: MySQL, Firebase, Mongo DB, Dynamo DB

Human Language: Chinese, English

Work Experience

Backend Developer Intern

May 2021 – August 2021

Minions Mobile App

Los Angeles, CA

- It is a customer loyalty mobile application written mainly in C and JavaScript.
- Coded several APIs for the mobile app in JavaScript and integrated AWS Service such as Dynamo DB, Lambda and API Gateway
- Worked with teammates to develop friend invitation referral program within the app
- Tested APIs in Postman and tested the Unity assets on iOS system and iOS devices

Intern Content Editor

June 2018 – August 2018

Shanghai DianZhang Finance Media Co.,Ltd

Shanghai, China

- A media company that provides online news and video analysis of economics and market performance
- Analyzed consumers' demand and preference based on views on previous video contents
- Designed a series of tutorials on fundamental analysis, which boosted average views of each videos by around 34 percent
- Constructed a tag system of more than 100 tags, which consisted of key words frequently searched by users of the website which was fed into the recommendation algorithm

Assistant Editor

June 2017 – August 2017

Yicai Shanghai Media Group

Shanghai, China

- It is a television channel that reports and broadcasts economics and financial news
- Edited articles sent daily by reporters covering national and global news, checked each data such as current ticker price
- Edited interview videos each day and their corresponding sound tracks into complete news clips, which would be played during live news broadcasts
- Cooperated with editors, camera crews and hosts to ensure smooth broadcasting of news each day