Yingyin Ashley Xiao

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EDUCATION

University of California, San Diego   San Diego, CA
Bachelor of Science, Major in Data Science, Minor in Business   September 2017 – June 2021
GPA: 3.5/4.0, Provost Honors, Member in Women of Rewriting the Code
Courses: Business Analytics, Marketing, Financial Investments, Data Structures and Algorithms, Statistics, Machine Learning

PROFESSIONAL EXPERIENCE

Chiyu Banking Corporation Limited   Shenzhen, Guangdong
Credit Analyst Intern   July – September 2020
- Effectively analyzed credit applications by conducting industry research, performing due diligence and forecasting future cash flows to identify risk and return from investment opportunities
- Assessed and predicted stock performance of a company using Python (Seaborn, Matplotlib, Numpy, Pandas)
- Assisted the manager in writing official report and conducting financial statement analysis of borrowers

Bainbridge Capital Advisory   San Diego, CA
Data Analyst Intern   January – March 2020
- Wrote a web crawler to scrape and parse company information from multiple websites to support M&A deal sourcing
- Analyzed over 3GB parsed data using Python to generate insight of potential clients and opportunities
- Developed the Tableau front end and engineered the back-end connections to create a comprehensive, dynamic visualizing interface for the team

University of California, San Diego, Medical Education   San Diego, CA
Business Intelligence Programmer   August – December 2019
- Self-learned and designed a Python script (PyAutoGui) to automate the process of data migration, which helped increase the work efficiency by 30%
- Scraped the evaluation data of students and clinicians from the official website to Excel spreadsheets
- Participated in the weekly stand-up meeting to present work progress and exchange new ideas

University of California, San Diego, Alumni Office   San Diego, CA
Alumni Programs Assistant   July – October 2019
- Managed internal alumni database on daily basis to perform logistical support for 30+ international alumni clubs
- Developed and maintained close relationships with distinguished alumni and alumni leaders
- Bolstered work productivity by redesigning the layout and functions of the major Excel worksheet (IF statement, VLOOKUP, conditional formatting, etc.)

PROJECT EXPERIENCE

Capstone Project: *System Usage Reporting*   October 2020 – March 2021
- Partnered with Intel to create a machine learning project for system usage for both stand-alone and multi-tasking cases
- Self-learned C++ to customize input libraries for system data collection using a provided software development kit and analyzed the merged data through DB Browser
- Designed a data ingestion pipeline, which could be run through virtual machines through Docker

Machine Learning: *Microsoft Stock prediction*   October – December 2020
- Extracted textual data using the OpenBlender API and performed sentiment analysis to quantify market emotions
- Created a machine learning pipeline that predicts Microsoft stock price from 2013 to 2020 using sentiment analysis (NLP), time series analysis, and financial analysis
- Held weekly meetings in a team of four to discuss progress of the project and assign tasks for the up-coming week

Deep Learning: *Breast Cancer Classification*   December 2019 – January 2020
- Created a deep learning model that classified breast cancer with an accuracy of over 68% on the validation data using transfer learning with convolutional neural network (CNN)
- Attended weekly meetings to present the work done and discussed possible improvement
- Presented the team project to 30+ students and professors and answered their questions on the projects

Data Visualization: *Gun Violence and Laws in the U.S.*   October 2019 – December 2019

- Designed and embedded an interactive, advanced Tableau data visualization (including donut chart, butterfly chart, quartile chart, etc.) in a webpage using Bootstrap to explore why some states with heavy gun laws still bear heavy gun violence
- The project was served as an exemplar to over 100 students

LEADERSHIP EXPERIENCE

Data Science Student Society   December 2019 – June 2021

Project Lead

- Actively reached out to 300+ industry representatives, acquired over $20,000 for the annual data-centered hackathon, and successfully organized the 2-day hackathon with team members
- Lead the project of Microsoft stock prediction and coached two members on web scraping
- Took responsibility for setting up meetings, meeting deadlines, and keeping the project on task as the team leader

Phi Sigma Pi National Honor Fraternity   January 2019 – December 2020

Corresponding Secretary

- Raised $2,500 for the chapter's budget through large scale fundraising events that involve the entire student body
- Organized an annual end-of-year clothing drive with over 100 attendees to help local homeless people
- Designed and built the chapter's website with significantly improved user interface and user experience by adding in new features and sections

SKILLS

Technical Skills: Python, SQL, R, Tableau, Hypothesis Testing, Financial Analysis, Data Analysis, Visualization
Soft Skills: Leadership, Communication, Presentation, Time Management, Teamwork
Interest: Cooking, Stock investing, Traveling