Hazel Yu

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EDUCATION

University of California, Irvine **Irvine, CA**
Master of Data Science **September 2023 - December 2024**
- **Cumulative GPA:** 3.96/4.00
- **Relevant Coursework:** Artificial Intelligence, Databases & Data Management, Probability & Statistical Theory, Machine Learning, Bayesian Data Analysis, Big Data Management

University of California, Davis **Davis, CA**
B.S., Statistics, Minor in Mathematics **September 2019 - June 2023**
- **Cumulative GPA:** 3.95/4.00
- **Relevant Coursework:** Statistical Data Science, Intro to Data Structures, Data & Web Technologies for Data Analysis, Big Data & High-Performance Statistical Computing, Multivariate Data Analysis

PROFESSIONAL EXPERIENCE

San Francisco International Airport **San Francisco, CA**
Data Science Intern June 2024 – September 2024
- Analyzed data on Taxi Virtual Queue prediction model results by using Python to create 3+ visualizations evaluating performance, and researched Bayesian predictive model methods for potential improvements
- Designed and implemented user interface for chatbot assistant using Figma and Streamlit library, enhancing user interaction and experience while adhering to company brand guidelines
- Cleaned and transformed data from Excel sheet with 1,000+ customer inquiries collected by information booth, and scraped relevant information from 2 websites to enhance chatbot knowledge base

ASUCD Pantry **Davis, CA**
Data Science Coordinator September 2022 – June 2023
- Analyzed patron data using Python and PostgreSQL to pull data from 10,000+ Pantry orders
- Generated bar plots and time series graphs to visualize top 10 order items, popular pickup times, and number of unique users using NumPy, Pandas, Matplotlib, and Plotnine libraries
- Created 30 weekly and 9 monthly reports to help 3 directors understand online order system performance
- Led a team of 5 data science interns alongside manager by delegating tasks and overseeing 2 projects

DocuSign **San Francisco, CA**
Data Analyst Intern June 2022 – September 2022
- Assisted Digital Analytics team with data quality evaluation and ad-hoc analysis using SQL and Excel
- Collaborated with Digital Business team to migrate data to Tableau to ensure access to dashboards
- Used Excel to generate pivot tables and charts to summarize findings from data and presented to team
- Created customer usage dashboard with visualizations in Tableau for 5+ stakeholders to view data in a simple and understandable way increasing efficiency by 25%

PROJECTS

Heart Disease and Health Indicators – Practice in Statistical Data Science
- Worked in a team of 4 and used Python to analyze data on occurrence of heart disease
- Created boxplots, correlation matrices, classification trees, and heatmaps for conditional entropy and odds ratio using NumPy, Pandas, Seaborn, and Matplotlib to determine which factors predict heart disease

Customer Usage Dashboard - DocuSign
- Used Snowflake to pull account usage data from customer base with SQL
- Created time series graphs using Tableau on customer account metrics with various filters, such as industry and country, to see trends over time

PROFESSIONAL SKILLS

- Technical Skills: Python, R, SQL, Tableau, Excel, Figma, Apache Spark, Apache Flink, MongoDB, Apache Cassandra, Neo4j