

JASMINE HONG

CONTACT

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EDUCATION

University of California, San Diego (San Diego, California)

- B.S Data Science (Sept. 2022- April 2026)

SKILLS

Programming Languages : Java, Python,MySQL/SQL,D3

Tools/Framework: Jupyter Notebook, IntelliJ, Tableau, Panda,Svelte,D3.JS, Github,HTML, Python libraries (Pandas, NumPy, Scikit-learn, Plotly),SQL,Microsoft Office,R

Machine Learning: Linear Regression, Decision Tree, Random Forests

Statistical Analysis: Hypothesis Testing, Regression Analysis, Bivariate & Univariate Analysis

PROJECTS

RECIPES DATA ANALYSIS| PYTHON, PANDAS,PLOTLY,NUMPY,JUPYTER NOTEBOOK FEB. 2024

- Cleaned recipes dataset to explore relationship between recipe and calorie content using Jupyter Notebook and Python
- Used Plotly to conduct univariate and bivariate analysis, and hypothesis testing
- Performed missing data mechanism analysis

RECIPES RATINGS PREDICTION| GITHUB,HTML,PYTHON,JUPYTER NOTEBOOK PANDAS,SCIKIT LEARN,NUMPY MARCH 2024

- Developed and implemented a baseline model to predict the rating of recipes with recipes dataset using Scikit-Learn
- Constructed and trained a final data model utilizing a decision tree regression
- Achieved a 60% improvement in model accuracy compared to the baseline Model
- Analyzed accuracy of final model and conducted a fairness analysis to ensure absence of biases
- Developed a webpage on Github of report findings and deployed using Github Pages

U.S. MINIMUM WAGE DATA VISUALIZATION | GITHUB, SVELTE,D3.JS JUNE 2024

- Analyzed U.S State and Federal minimum wage over the years
- Designed an engaging, user-friendly front end application highlighting key trends and patterns using D3.JS

RELEVANT EXPERIENCE

DELOITTE DATA SCIENCE CONSULTANT MENTEE APRIL 2024 - JUNE 2024

- Analyzed customer transaction data for an e-commerce company
- Identified value customers and implemented a five tier reward system to encourage purchases during slow seasons
- Presented case study findings to fellow Deloitte consultants

NON-TECHNICAL EXPERIENCE

SAN DIEGO CODING FOR ALL MENTOR JUNE 2021- JUNE 2023

- Organized and led an introductory summer computing camp for middle and high school students, with a focus on engaging underrepresented minorities in computer science through collaborative projects
- Collaborated with volunteers to create a supportive, inclusive environment that empowered students to explore their interests in technology

STUDENT TUTORING - INTEGRATED MATH, PRE CALCULUS, CALCULUS I & II SEPT. 2023-CURRENT

- Identified student weaknesses and designed supplemental practice
- Improved student average test scores by two letter grades
- Provided feedback to parents on student's progress
- Created a safe and positive learning space

CLUBS & EXTRACIRRICULARS

UC SAN DIEGO WOMEN IN COMPUTING (SEPT 2024- PRESENT)

UC SAN DIEGO VIETNAMESE STUDENT ASSOCIATION (SEPT 2022- PRESENT)

FEEDING SAN DIEGO(JUNE 2021 - PRESENT)