

Zihao (Howie) Huang

(707)800-2700 | howiehuang2001@gmail.com | LinkedIn: www.linkedin.com/in/howiehuang01

EDUCATION

University of California, Davis

Bachelor of Science in Statistics

June 2023

GPA: 3.3

- **Relevant Coursework:** Multivariate Data Analysis, Nonparametric Statistics, Big Statistical Data Technologies, Linear Regression, Bayesian Analysis, SQL Database, Machine Learning, Application of ETL

TECHNICAL SKILLS

Programming languages: SQL, R (shiny, ggplot2, dplyr), Python (pandas, Numpy), HTML, NoSQL, React, JAVA, Linux (Ubuntu)

Analytical tools: Tableau, Power BI, SAP, SAS, GCP, Oracle, Looker, Excel, MATLAB, TensorFlow, AWS, Salesforce

Analytical skills: Machine Learning, A/B Testing, Bootstrapping, Data Warehousing, CRM Analysis, Predictive Modeling

RELEVANT WORK EXPERIENCE

StrictlyInsight (AI Consulting)

Sacramento, CA

Data Scientist Intern

March 2023 – June 2023

- Constructed AI model using Python to automate 100% of the business workflow, which decreased operating expenses by 60%
- Maintained data dashboards using Tableau and Power BI to help stakeholders understand data insights
- Performed EAD on business data using R to facilitate data-driven decision making, which increased efficiency by 25%
- Integrated inventory management into MySQL database to simplify data extraction and data integration

Student Medicovert (Insurance)

San Francisco, CA

Operation Analyst Intern

June 2022 – September 2022

- Implemented predictive models using R to effectively forecast the relationship between pricing changes and sales performance for cross-functional team with 89% of accuracy to help inform sales strategy across 30+ locations
- Designed an interactive master dashboard on Tableau to track KPI to enhance the visualization of operational efficiency
- Built a machine learning model using Python from CRM database to optimize customer segmentation for targeted marketing strategies, which successfully led to a 14% increase in sale-season's revenue
- Led a cross-functional team to develop an automated fraud reporting system using SQL and presented to the CEO and COO

Joblogic-X Corporation (Management Consulting)

Dallas, TX (Remote)

Data Analyst Intern

September 2021 – May 2022

- Analyzed 16 data sources using exploratory data analysis to identify trends and patterns for business decisions
- Develop an end-to-end predictive and prescriptive financial model with a cross-functional team using Python, resulting in a 20% increase in accuracy and informing critical data-driven decisions
- Developed and maintained data dashboards using Tableau and presented new data insights and recommendations to stakeholders

Cress Health (Public Health)

New York, NY (Remote)

Data Analyst Intern

August 2020 – July 2021

- Created an interactive analytical program using Python and SQL to extract user data, enabling personalized recommendations to improve users' mental health, resulting in a 10% increase in user engagement
- Used SQL to merge and clean user database as well as analyzing possible correlations between physical activities and mental health using Python and Tableau
- Programmed and configured city specific reports card using SQL and Tableau to help the marketing department generate suggestions to users on the city level

PROJECT EXPERIENCE

Classification: Home Loan

Python

- The project objective is to develop a reliable and consistent classifier that can automate and speed up the process of determining home loan eligibility for lenders, which is crucial for identifying individuals who are more likely to repay the borrowed amount

Database: Stack Exchange

SQL

- The project objective is to perform complex data queries from the data collected on StackOverflow, a website where people ask questions about statistics and coding and use the results from the queries to answer various questions of interest

LEADERSHIP ACTIVITIES

Phi Delta Theta Fraternity

Treasurer, House Manager

American Red Cross

Active Volunteer