

RICKON (WENXUAN) ZHANG

805.252.9165 | wenxuan_zhang@ucsb.edu | Santa Barbara, CA

Education

University of California, Santa Barbara

Sep 2018 – Jun 2022

BS in Statistics and Data Science & Applied Mathematics

GPA: 3.7/4.0

College of Letter Science Honors

Relevant Coursework: Regression Analysis; Statistical Data Science; Bayesian Data Analysis; Time Series;

Advanced Linear Algebra; Numerical Analysis; Ordinary Differential Equation

Experience

AppFolio, Inc.

Jun 2020 – Sep 2020

Software Quality Assurance Engineer Intern

Santa Barbara, CA

1. Collaborated in a scrum development team to ensure the quality of upgrading reporting framework with agile methodologies, enhancing the performance of AppFolio's cloud-based SaaS products.
2. Tested 30+ web front end report filters using manual and automated regression testing that led to the completion of the conversion from using jQuery filter to React filter with assured quality.
3. Applied exploratory, black box, and white box testing on the migration of nearly 200 reports; promptly identified, isolated and traced bugs that contributed to less than 3 customer reported bugs over 150+ reports migration.
4. Evaluated bug reports and analyzed user data in Rollbar and New Relic; communicated across engineering and customer support team to address bugs in a timely manner, lower the impact of the bugs to customers as much as possible

UCSB Data Science Club

Sep 2019 – Present

1. Applied multiple regression analysis on the U.S. life expectancy dataset, using R to perform data cleaning, variable transformation and model selection, getting approximately 72% accuracy with the prediction model
2. Performed exploratory data analysis, principle component analysis (PCA), and Singular Matrix Decomposition (SVD) on the campus placement dataset of Jain University to identify the factors that impact the job placement and salary and predict with linear and logistic regression model
3. Collecting 1921-2020 160K+ songs data from Spotify API; analyzing the relationship between the characteristics and popularity of songs in different period and forecasting with time series model

The Bottom Line (Campus Newspaper)

Sep 2019 – Present

Web Editor

1. Analyzed user data and website usage through Google Analytics to monitor website performance, helping editorial board to make decisions on budgeting and advertising
2. Visualized local Covid-19 data through Tableau and integrated with the website, raising public awareness as well as providing local residents a reliable source for tracking

Skills Summary

Personal Website: rickonz.github.io

1. Technical: Proficient in Python; Intermediate R, SQL; Familiarity with Tableau, C++
2. Teamwork: Facilitated work in both small size software development team (5) and large size orientation staff team (30)
3. Communication: Extensive experience in effective and efficient communication with peers, parents, professors, and colleagues
4. Language: Native Chinese; Fluent in English; Basic Spanish