Ziyue (Patrick) Zheng

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EDUCATION

University of California – Santa Cruz   **Santa Cruz, CA**
- Ph.D. in Statistics   2023-08—— Current

University of Wisconsin - Madison   **Madison, WI**
- M.S. in Statistics and Data Science   2021-01——2022-12

Zhongnan University of Economics and Law   **Wuhan, China**
- B.S. in Statistics   2016-09——2020-06

SKILLS SUMMARY

- Advanced data analysis skill and knowledge including A/B test, Statistical inference, Causal inference, Data modeling, Data mining, Machine Learning and Deep Learning
- Strong programming skills in Python, R, JavaScript, C++, Linux/Shell and hands-on experience with Hive/Hadoop, Spark, and Git source control.
- Experience with SQL databases such as MySQL and NoSQL databases such as MongoDB
- Experience with web frameworks including Django, Flask, and Spring
- Proven success at working well in a team environment and independently with minimum supervision.
- Motivated learner keeping current in new technologies.

WORKING EXPERIENCE

Machine Learning Engineer at **Tencent Inc**   **May-Sep 2021**
- Used Python to build and train a Machine Learning model for face recognition.
- Designed and developed web applications using Django web framework for python model. Provide end to end services for an online prediction model.
- Deployed the server on cloud platform to provide service and provided Rest API with Django.
- Used statistical method to evaluate the model performance. Tuned the model inference pipeline and improved the code efficiency.

Data Analyst at **Skyworth Inc**   **Apr-Jul 2020**
- Used SQL database (MySQL) and NoSQL databases (MongoDB) to maintain and manage company's financial database. Executed ETL process to connect data from different databases.
- Worked on Pandas and NumPy for data analysis. Generated reports with data table and graphs with data visualization methods.
- Performed data analysis reports and risk identification with models for specific financial products.

PROJECTS EXPERIENCE

Yelp Reviews Data Analysis   **Jan-Apr 2022**
- Scrapped data from Yelp Reviews and perform sentiment analysis on review data.
- Implemented the LDA topic analysis model with seasonal effects on reviews.
- Studied the impact of restaurant ratings based on cluster analysis.
- Visualization and Using Shiny R to build an interactive web page.

Bowen Cup Project of Zhong nan University of Economics and Law   **Jan-May 2020**
- Collected review and comment data from customer using web crawler.
- Investigated marketing mode of the web-popular shops based on Analytic Hierarchy Process
- Analyzed the activation effect of traditional brand based on Nonparametric Inference

TEACHING EXPERIENCE

- STAT 5 Statistics   2023 Fall, 2024 Winter