

Ziyue (Patrick) Zheng

E-mail: zzheng95@ucsc.edu

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

2021-01——2022-12

Zhongnan University of Economics and Law

Wuhan, China

- B.S. in Statistics

2016-09——2020-06

RESEARCH INTEREST

- Statistical Learning, Machine Learning, High-Dimensional Data Analysis
- Statistical Inference, Uncertainty Quantification, Causal Inference
- Spatial Statistics, Time Series Analysis, Spatial-Temporal Analysis
- Applications in Oceanography, Biology and etc.

SKILLS SUMMARY

- Advanced data analysis skill and knowledge statistical analysis and Data analysis.
- 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

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.
- 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 for specific financial products.

OTHER EXPERIENCE

Teaching Assistant at UCSC Department of Statistics

- STAT 5 Statistics

2023 Fall, 2024 Winter