Jason Wang

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EDUCATION

The Ohio State University   *Columbus OH* | **08/2024 – 05/2026 (Expected)**
*Bachelor of Science, **Mathematics** (Theoretical Track)*
Minors: **Computer and Information Science**, **Statistics**, **Quantitative Economics**
Organizations: Big Data and Analytics Association, Translational Data Analytics Institute

TECHNICAL SKILLS

Programming & Data Analysis: Python, R, C++, SQL (MySQL, PostgreSQL), Excel, Tableau, Power BI, MATLAB
Machine Learning & Big Data: Pandas, NumPy, Hadoop, Spark, Hive, TensorFlow, Keras, PyTorch, Scikit-Learn
Tools & Platforms: AWS, GitHub, Jupyter, Alteryx, Jira, SAS, ETL Processes, dplyr, ggplot2, Matplotlib, Seaborn

EXPERIENCE

Undergraduate Research Assistant | **Nationwide Children's Hospital**   *Columbus OH* | **09/2024 – Present**
• Analyzed CDC-linked birth and infant death data (2017–2022) to evaluate mortality rates by gestational age
• Created colorblind-friendly visualizations to communicate findings on death rates across demographic groups

MATLAB Student Ambassador | **MathWorks**   *Columbus OH* | **09/2024 – Present**
• Hosted workshops to showcase data analysis and visualization techniques to enhance student learning
• Partnered with student organizations to promote MathWorks, driving a 10% increase in MATLAB adoption

Financial Systems Analyst Intern | **GEICO**   *Chevy Chase MD* | **06/2024 – 08/2024**
• Developed and implemented custom validations to enhance data accuracy and reduce error rates by 20%
• Conducted Workday unit testing and created detailed process flowcharts with Visio to streamline workflows

Project Management Intern | **i3 Verticals**   *Detroit MI* | **03/2024 – 06/2024**
• Utilized Jira, Excel, SharePoint for tracking progress and streamlining project management workflows
• Collaborated in agile scrum meetings for risk mitigation strategies, improving delivery timelines by 10%

PROJECTS

Freddie Mac Mortgage Credit Risk Model
• Processed loan-level data for 400,000 borrowers over 40 quarters to enhance credit risk valuation
• Developed a simulation model for CRT securities, integrating default and prepayment survival analysis

Assessing Online Advertisement Campaign
• Filtered, sorted, and aggregated email marketing data using SQL, joining datasets for analysis
• Built an interactive dashboard in Tableau to effectively visualize key business performance metrics

How Citi Bike Allocation Meets Demand
• Applied descriptive statistics and regression analysis in R to identify key variables influencing outcomes
• Predicted daily bike demand with 85% accuracy by implementing advanced Random Forest and XGBoost

ADDITIONAL INFORMATION

Certificates: **AWS Certified Cloud Practitioner**, Bloomberg Market Concepts, JLPT N1
Languages: English (Full Professional), Mandarin (Native), Japanese (Professional Working)
Hobbies: Post-Rock Drumming, Traveling, Doodling, Gaming, Billiards, Bowling, Badminton