Kevin Ou

Memphis, TN | (901) 831-6689 | kevinou2527@gmail.com | US Citizen

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EDUCATION

University of Illinois at Urbana-Champaign   Graduated: May 2023
*Bachelor of Science in Liberal Arts & Sciences Major in **Statistics***   GPA: 3.5/4.0
Certificate in **Data Science**

Northwestern University
*Master of Science in **Data Science***   Expected Graduation Date: June 2025
Specialization in **Artificial Intelligence**   GPA: 4.0/4.0

SKILLS & INTERESTS

Skills: Microsoft Office | Fluent in English | Conversationally Fluent in Mandarin | R Studio | AED/CPR Certified | Lifeguard Certified | Python | Java | SQL | Google Analytics Certified | MUMPS | Postgres | Numpy | Pandas

Related Courseworks: Statistics & Probability | Statistical Modeling | Statistical Learning | Data Management | Business Communication | Biostatistics | Organic Chemistry | Linear Algebra | Biochemistry | Anatomy & Physiology | Molecular Genetics | Database Systems

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ACADEMIC PROJECTS

Kaggle Spaceship Titanic Prediction Competition   **R**
- Employed **7** classification models and supervised learning algorithms on Kaggle Spaceship Prediction Data
- Simplified data visualization of dataset to analyze clustering patterns within training data
- Predicted with **79.39%** accuracy if passengers were transported using XGBoost on the test data

COVID-19 Tracker Shiny App   **R, SQL**
- Improved code to implement cleaner data management concepts using R and SQL
- Optimized data processing methods to improve runtime by reducing memory overload and workload
- Redesigned data visualization concepts of macro and micro elements to simplify the user interface

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EXPERIENCE

Technical Solutions Engineer   Verona, WI
Epic Systems   August 2023 - February 2024
- Employed advanced troubleshooting techniques and in-depth system analysis to identify and rectify complex issues within claims and remittance modules of electronic health records software services to ensure correct processing of over **$15 million** in medical claims
- Acted as a vital liaison between technical teams and healthcare finance professionals to ensure clear communication and alignment on software functionality
- Implemented software enhancements and updates leading to more efficient and error-free claims processing

Research Assistant   Memphis, TN
University of Memphis Department of Psychology   June 2022 - August 2022
- Implemented a scraping tool with **Python** and **Postman API** to collect data from user input in a simulation
- Identified different data models to generate recommendations and hints for students
- Developed regression models to detect undesirable student performance with **91%** accuracy

Illini Wushu Club President   Champaign, IL
University of Illinois at Urbana-Champaign   January 2021 - May 2023
- Organized **6** social events, **2** fundraisers, and **3** performances per semester for club members
- Led **15** meetings a semester to ensure board members were active in club logistics