JOSEPH JEONG

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EDUCATION

University of Illinois at Urbana Champaign, Urbana, IL — May 2025
Bachelor of Science in Computer Science & Statistics — GPA 3.67/4.0

Relevant Coursework: Object Oriented Programming, Data Mining, Computational Models & Dynamic Programming, Data Structures, Computer Systems, Statistical Modeling, Probability Theory

EXPERIENCE

ATLAS University of Illinois at Urbana Champaign — May – July 2024
Data Analyst Intern — Urbana, IL

- Conducted statistical analysis and interpretation of energy consumption data for the English Building and Noyes Laboratory
- Developed statistical models to predict energy amounts and usage using linear regression, enhancing forecasting accuracy and aiding in energy management strategies
- Visualized energy data trends and anomalies through custom dashboards, providing clear and actionable insights for energy optimization initiatives

JP Morgan Chase & Co — June 2022
Software Engineering Virtual Experience

- Configured and managed a development environment using Python and Npm, successfully setting up project dependencies for JPMorgan Chase's software engineering virtual experience.
- Developed a dynamic trading dashboard using JPMorgan Chase's Perspective library, enabling real-time data visualization that assists traders in effective stock price monitoring and analysis.
- Identified and resolved bugs in TypeScript files, contributing to software enhancements that help traders in identifying under/over-valued stocks for better trading decisions.

PROJECTS

- **Illini-Illness** – Created web application developed using SQL, Flask, and React that allows chronic illness patients to log daily symptoms and automatically notifies doctors of any new or different symptoms via SQL triggers
- **Stock Market Visualization** – Utilized R and the Shiny package to create visualizations of stock performance for the top 30 companies by market capitalization, analyzing mean and median prices over time
- **Malloc** - Developed a custom data allocation function using C to optimize memory management

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

ACM, University of Illinois at Urbana Champaign — August 2022 – May 2023
Sail CS Illinois

- Engaging high school students by introducing them the fundamentals of algorithms and programming in Computer Science
- Collaborated with a diverse group of students to successfully manage various extracurricular events

TECHNICAL SKILLS

Languages: Python, C++, Linux, Structured Query Language (SQL), Java, JavaScript, RStudio (R)
Libraries: Tidyverse, MASS, Matplotlib, Numpy, Pandas