STANLEY KIM

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Education

Purdue University   **August 2022 – May 2025**
Bachelor of Science in Computer Science; GPA: 3.64   *West Lafayette, IN*
- **Relevant Coursework**: Introduction to Analysis of Algorithms, Data Structures and Algorithms, Software Engineering, Systems Programming, Software Testing, Computer Architecture, Discrete Mathematics
- **Awards**: Recipient of William C. Nylin Jr. Endowed Scholarship, Dean's List and Semester Honors

Experience

Software Engineer Intern   **June 2024 – Present**
Kohl's   *San Ramon, CA*
- Engineered automated data pipeline for Seller Feed data for Marketplace products, deploying to **Google Cloud Storage** and utilizing **Jarvis** for data transfer, and securely connecting to Inmar's FTP server for data handling.
- Developed and optimized **REST API controllers** for UPC monitoring, integrating with **Mirakl** and implementing pagination to significantly reduce engineering support time by **2-3 hours** per sprint.
- Generated **$3.5 million** in annual revenue from **Kohl's Marketing Network** and saved **$200K** annually from **Inmar** operations, demonstrating substantial financial impact and cost reductions through streamlined processes.
- Implemented **CI/CD pipelines** and **OpenShift** for deployments, and created comprehensive test cases covering **80%** of program functionalities, ensuring robust system validation and reliability.

Undergraduate Teaching Assistant   **August 2023 – May 2024**
The Data Mine @ Purdue University   *West Lafayette, IN*
- Mentored **9 students** to enhance failure prediction and usage patterns for **Inogen's** portable oxygen concentrators.
- Utilized **Multivariate LSTM** and **Random Forest** models to analyze and predict device failures, leading to improved maintenance scheduling and device reliability.
- Guided student projects in **data analysis** and **machine learning**, achieving an **82% accuracy** in predictive tasks, significantly assisting Inogen in optimizing product performance and customer satisfaction.

Technology Intern   **May 2023 – August 2023**
Comerica Bank   *Auburn Hills, MI*
- Developed **Java** services using **Spring Boot REST API** to interact with **SailPoint IdentityIQ** APIs, automating the onboarding and offboarding processes and saving an estimated **10 hours per month** for engineers on these tasks.
- Executed **MySQL** database queries to integrate employee data with **SailPoint IdentityIQ**, ensuring synchronization of user attributes and roles for over **5,000 employees**.
- Collaborated with HR Operations and IT teams to design and execute bulk user updates, including role assignments and deactivations, and using JSON files for data processing.

Software Engineer Intern   **May 2022 – August 2022**
Quantic   *King of Prussia, PA*
- Leveraged **Node.js** and **PostgreSQL** database for backend data engineering in a team of three interns, performing data retrieval and processing to develop an admin dashboard for business earnings.
- Enhanced stakeholder decision-making by developing interactive **React** dashboards with **Chart.js**, visualizing earnings metrics across multiple stores.
- Developed **50 test scripts** using **Python** and **Selenium** to evaluate web-based POS system functionalities.

Projects

StockPulse | *React, Next.js, Python, Flask, MySQL, OpenAI API*
- Developed a stock market simulation game leveraging **React** and **Next.js** for dynamic web interface, and **Python** with **Flask** for backend services, facilitating real-time trading and competitive features in a user-friendly environment.
- Integrated the **OpenAI API** within the simulation to provide an advanced research tool, enabling users to analyze stock trends and make informed trading decisions based on AI-driven insights and data from **MySQL** databases.

Predictive Modeling for Emergency Surgeries | *Python, SQL, TensorFlow*
- Collaborated with **IU Health** to build time-series forecasting models, including **ARIMA**, **LSTM**, and **VAR**, while using **grid search** and **random search** for model training and hyperparameter tuning.
- Presented findings at the Data Mine Symposium 2023, demonstrating the impact of data-driven decision-making in healthcare, with the **LSTM** model achieving **97% accuracy**.

Technical Skills

Languages: Java, JavaScript, Python, C, C++, HTML/CSS, SQL
Frameworks: Spring Boot, Spring Batch, React, Next.js, PostgreSQL, Node.js, MySQL, MongoDB, Kafka, Flask
Developer Tools: Postman, Git, Google Cloud, Jupyter Notebook, Chart.js, Jest, Selenium, Docker