


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

- Collaborated with engineers to redesign **Kohl's Marketplace** batch jobs with **Java**, **Spring Boot**, **Mirakl**, and **Kafka**, optimizing performance by **40%** through horizontal scaling, and utilizing microservices in an agile environment.
- Engineered weekly batch jobs with **MongoDB** for Inmar return services, handling over **1.2 million products** and exporting data to **Google Cloud Storage**, while using **CI/CD pipelines** and **OpenShift** for deployments.
- Developed **REST API controllers** for UPC monitoring, significantly enhancing the accuracy and availability of product data across Kohl's website, and effectively managing a catalog of over **560,000 products**.

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.
- 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, using JSON files for data processing, enhancing data accuracy and compliance with company policies.

Software Engineer Intern

May 2022 – August 2022

Quantic

King of Prussia, PA

- Leveraged **PostgreSQL** for backend data engineering, performing data retrieval and processing to extract critical performance metrics for store associates.
- Enhanced stakeholder decision-making by developing interactive **React** dashboards with **Chart.js**, optimizing the visualization of productivity and efficiency metrics.
- Developed **50 test scripts** using **Python** and **Selenium** to evaluate web-based POS system functionalities.

Projects

Predictive Modeling for Emergency Surgeries | *Python, SQL, TensorFlow*

- Collaborated with **IU Health** to build time-series forecasting models, including **ARIMA**, **LSTM**, and **GLM**, 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**.

BluMap | *React, Next.js, Node.js, PostgreSQL, Jest, Docker*

- Collaborated with a team of four in a Software Engineering course to develop a social media travel planning web app featuring itinerary customization, community features, and **Google Places API** integration.
- Implemented **Docker** and **CI/CD pipelines** to ensure deployment quality, creating and maintaining **150 test cases** for comprehensive testing.

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