

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 a batch job with a **MongoDB** database for **Inmar return services** and developed a tasklet for efficient data export to **Google Cloud Storage**, enhancing data processing and storage scalability.
- 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 utilizing **SailPoint IdentityIQ** APIs to automate the onboarding and offboarding processes, streamlining HR operations and significantly reducing manual effort.
- Implemented **MySQL** database queries to integrate employee data with **SailPoint IdentityIQ**, ensuring accurate synchronization of user attributes and roles across the system.
- Collaborated with HR Operations and IT teams to design and execute bulk user updates, including role assignments and deactivations, improving 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

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.

StockPulse | *React, Next.js, Java, Spring Boot, Python, Flask, MySQL*

- Developing an engaging stock market simulation game featuring real-time trading using the **Yahoo Finance API** and **OpenAI API** for market analysis and insights.
- Featuring Personal Mode for individual practice and Competitive Mode with a leaderboard for multiplayer challenges.

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