

# STANLEY KIM

✉ [stanleykim2003@gmail.com](mailto:stanleykim2003@gmail.com)  [linkedin.com/in/stanleykim2003/](https://www.linkedin.com/in/stanleykim2003/)  [github.com/stanleytk](https://github.com/stanleytk)  [stanleytk.github.io/Portfolio/](https://stanleytk.github.io/Portfolio/)

## 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 – August 2024

*Kohl's*

*San Ramon, CA*

- Engineered automated data pipeline for Kohl's Marketplace products using **Spring Batch** and **Java**, deploying to **Google Cloud Storage**, and utilizing **Jarvis** for secure data transfer to Inmar's FTP server.
- Experimented with various techniques, including **multi-threading** and **MongoDB indexing**, to optimize the pipeline, contributing to **\$3.5 million** in annual revenue from monetization and **\$200K** in cost reduction from **Inmar**.
- Implemented **CI/CD pipelines** and **OpenShift** for deployments, creating **30 total test cases** for robust validation and reliability of data pipeline, and utilized **Jira** and **Miro** for agile development and architectural planning.
- Enhanced **REST API** controllers utilizing **Spring Boot** for UPC monitoring, integrating with **Mirakl** and implementing pagination for memory optimization, reducing support time by **2-3 hours** per sprint.

### 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, using **Multivariate LSTM** and **Random Forest** models to improve maintenance scheduling and device reliability.
- Led as Scrum Master and directed weekly sessions with partner **Inogen**, achieving **82% accuracy** in models.

### 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**.

### Software Engineer Intern

May 2022 – August 2022

*Quantic*

*King of Prussia, PA*

- Architected the backend using **Node.js** and **PostgreSQL**, ensuring robust data management and secure, reliable transactions, facilitating efficient data delivery to the frontend.
- Developed frontend of admin dashboard using **React** and **Chart.js**, visualizing store earnings and financial trends.
- Collaborated as a team of 3 to develop over **50 test cases** using **Python** and **Selenium**, enhancing the reliability of web-based POS systems.

## Projects

---

### StockPulse | *React, Next.js, Python, Flask, MySQL, OpenAI API*

- Developed a stock market simulation game using **React** and **Next.js** for dynamic web interface, and **Python** with **Flask** for backend services with **MySQL** database, facilitating real-time trading features in a user-friendly environment.
- Integrated **OpenAI API** to analyze stock trends and guide trading decisions using **Yahoo Finance** data.

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

- Collaborated in the Software Engineering course as a team of four to develop a travel planning web app with itinerary customization, community features, and **Google Places API** integration
- Implemented social features like following and liking, and developed an admin dashboard for managing content.

### 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 on data-driven decision-making in healthcare, showcasing an **LSTM** model with **90% 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, Flask

**Developer Tools:** Postman, Git, Google Cloud, Jupyter Notebook, Chart.js, Jest, Selenium, Docker