

# Stanley Kim

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## EDUCATION

**PURDUE UNIVERSITY**  
**B.S. IN COMPUTER SCIENCE**  
West Lafayette  
August 2022 - June 2025  
Expected GPA: 3.8

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

#### EXCELLENT

Java • Python • JavaScript

#### PROFICIENT

R • HTML • CSS • SQL • C

### TOOLS

React • IntelliJ • PyCharm • JUnit  
Testing • Visual Studio • Eclipse •  
Jupyter Notebook

### EXTERNAL LIBRARIES

Selenium • Requests • TensorFlow •  
Keras • Matplotlib • NLTK • Flask •  
Pandas • Fitters

## ACTIVITIES

### CLUBS

- Purdue Hackers
- ACM SIGAI
- Purdue Swim Club
- Hello World Hackathon

### VOLUNTEER EXPERIENCE

- Hand4Hand Manager (2021-22)
- Dream2Learn Java Tutor (2020-22)

### AWARD/CERTIFICATION

Oracle Certified Associate, Java SE 8  
Programmer: Issued June 2020

## INTERESTS

- Software Engineering
- Data Analysis
- Machine Learning
- Artificial Intelligence
- Cybersecurity
- Data Visualization

## SUMMARY

Insightful computer science undergraduate student at Purdue University, with a strong foundation in machine learning, automation engineering, artificial intelligence, data visualization, and data science. Looking to be associated with a growing organization that provides me with the scope to enhance my skills and to become a team that progressively work towards the growth of the organization.

## PROFESSIONAL EXPERIENCE

### AUTOMATION ENGINEERING INTERN | QUANTIC

May 2022 - June 2022 | King of Prussia, PA

- Utilized Python and Selenium external library to review the software systems and functionalities using automated test scripts.
- Designed 50 automated test scripts in total.
- Investigated problems in software after analyzing the automated test results
- Interacted with technical teams to identify and repair the problem in the test results.

## RESEARCH

### UNDERGRADUATE DATA SCIENCE RESEARCHER | IU HEALTH

August 2022 – Present | West Lafayette, IN

- Partnered with the managers from IU Health to design an advanced forecasting technique that predicts the volume of surgeries.
- Designed various time series forecasting models, such as Gamma, Negative Binomial Regression, ARIMA, and Poisson.
- Found the model that best distribution that fits the data using RMSE comparisons.

## TECHNICAL PROJECTS

### FINANCIAL ASSISTANT CHATBOT

Hackathon/Self-Learning Project | Python

- Utilized neural networks and natural language processing in Python, primarily using TensorFlow and NLTK as external libraries.
- Built a program that simulates and processes human conversation with the user.
- Designed financial functionalities, such as predicting the stock prices, graphing the data of the stock prices over period of time, and stock analysis.

### PATHFINDING ALGORITHM VISUALIZER

Self-Learning Project | JavaScript, HTML, CSS

- Built a website that lets you draws a 2-dimensional maze, and solves the maze.
- Implemented Dijkstra's Algorithm and A\* Search Algorithm to guarantee the shortest path from the start node to the end node.

### SALES FORECASTING WITH ECONOMETRIC DATA

ACM SIGAI | Python, R, SQL | Ongoing

- Currently competing in the TE AI Cup competition, and collaborating with team members to work on forecasting of future sales .
- Working on generating 18 month rolling forecasts of future sales, while also enhancing the quality of sales forecast and the growth.