

# YOON KIM

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## EDUCATION

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### **Purdue University – West Lafayette, IN (GPA: 3.56/4.0)**

*Dec 2024 (Expected)*

Bachelor of Science in Applied Statistics

### **Foothill College – Los Altos Hills, CA (GPA: 3.7/4.0)**

*Dec 2022*

Associate in Science for Transfer in Mathematics

### **Relevant Coursework**

Linear Algebra, Discrete Mathematics, Problem Solving and Object-Oriented Programming, Probability (Honors), Data Science Labs on Probability, Applied Regression Analysis, Data Mine Seminar, Intro to Time Series, Statistical Theory

## EXPERIENCE

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### **Purdue University Online**

*Sep 2023 – Present*

#### ***Online Assessment Content Creator***

- Creating online content for IE 230: Probability and Statistics in Engineering I communicating with instructors
- Customize LaTeX templates for creating professional documents

### **The Data Mine – Purdue University**

*Aug 2023 – Present*

#### ***Undergraduate Data Science Researcher***

- Research to bring insight with data science skills to identify key factors affecting seed quality and germination collaborating with one of our corporate partners, Beck's Hybrids Inc.
- Data analysis with historical production data and lab-based germination test results
- Trained to leverage Python and SQL to query and extract data

### **Laon People Inc. – South Korea**

*May 2023 – Jul 2023*

#### ***R&D Team Data Analyst Intern***

- Analyzed image data and uncovered insight into identifying and classifying abnormal data into NAVI AI, deep learning vision software for industrial vision inspection including various data analysis and management functions
- Outperformed advanced data visualization- Image Balance, Aspect Ratio, and Color Distribution of training dataset for NAVI software program, using Python (OpenCV, NumPy, Pandas, Matplotlib, Seaborn, Plotly)
- Associated with a research team to provide verifying outlier analysis and response operating statistical analysis

## PROJECTS

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### **Statistical Analysis: Google Play Store Dataset**

*May 2023*

- Designed statistical analysis (Hypothesis testing and ANOVA test) to understand Google Play store users' preferences using R (ggplot2)
- Functioned as a team lead communication setting with strong problem-solving skills

### **Exploratory Data Analysis: Titanic Dataset, H&M Merchandise Dataset, College Student Dataset**

*Mar 2023*

- Conducted Exploratory Data Analysis on each dataset and identified correlations with relevant indicators (e.g., factors affected by the Titanic disaster, merchandise preference, students' choice in college)
- Developed visualizations to highlight the process of asking, discovering, and looking for underlying trends and patterns in each dataset

## SKILLS AND INVOLVEMENT

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- **Tools:** Python, R, SQL, Java, Excel (Advanced), Tableau, Minitab
- **Skills:** Data cleaning and Preprocessing, Strong analytical skills, Strong problem-solving skills, Statistical Analysis - Hypothesis testing, Regression analysis
- **Involvement:** American Statistical Association, Global Science Partners, The Data Mine learning community
- **Certification:** Google Data Analytics (Coursera)