

YOON KIM

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EDUCATION

Purdue University – West Lafayette, IN

Dec 2024 (Expected)

Bachelor of Science in Applied Statistics

Application of Data Science Certification

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

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 by 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

Personal Portfolio Website

- <https://yoonkim18.github.io/webportfolio>

Statistical Analysis: Google Play Store Data set | R, Kaggle

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 | Python, Kaggle

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

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