Yoon Kim

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EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science, Applied Statistics   Jan 2023 - Dec 2024
    Certification: Applications in Data Science
    Relevant Coursework: DS Labs on Probability, Applied Regression Analysis, Intro to Time Series, Assistive Technology

Foothill College   Los Altos Hills, CA
Associate in Science for Transfer, Mathematics   Apr 2021 - Dec 2022

EXPERIENCE

Qcells Georgia Inc.   Cartersville, GA
Quality Engineer, Global Quality Planning   Mar 2025 – Present
- Architected and established a centralized database to streamline data collection and management for the customer claim dashboard across three Qcells facilities
- Collaborated with cross-functional global teams to translate complex quality data into actionable insights, driving continuous improvement in manufacturing processes

Purdue University   West Lafayette, IN (Hybrid)
Undergraduate Researcher, CoLiberation Lab   Aug 2024 – Present
- Designed and implemented Natural Language Processing models, utilizing large language models (LLMs) to convert complex web content into plain language for a web extension
- Integrated and optimized text-to-speech functionalities within the extension, focusing on natural language generation and user experience to enhance digital accessibility for users with vision and cognitive impairments

Purdue University   West Lafayette, IN
Undergraduate Data Science Researcher, The Data Mine Department   Aug 2023 – May 2024
- Spearheaded end-to-end data analysis for a seed germination project using SQL and Python, developing statistical models (multivariate regression, ANOVA) to identify critical environmental and genetic factors impacting seed quality and yield actionable insights
- Collaborated with Beck's Hybrids Inc. to deliver insights, presented findings, influencing strategic planning in agricultural R&D

Laon People Inc.   Gyeonggi, South Korea
Data Analytics Intern, R&D Department   May 2023 – Jul 2023
- Analyzed extensive image datasets for NAVI AI software, identifying and classifying abnormal data for improved model robustness; concurrently developed advanced Python visualizations (Image balance, Aspect ratio, color distribution), providing critical insights into training data characteristics for Vision AI solution development
- Collaborated with a research team to conduct rigorous outlier analysis and develop statistical response operating models, enhancing the reliability and performance of AI solutions

AWARDS & CERTIFICATIONS

Honors & Awards: ASA DataFest '24: Won Best Visualization (Purdue Univ.), **Dean's List** (GPA 3.5+): Every Semester (2021 – 2024)
Certifications: Google Data Analytics Specialization (Coursera), IBM Data Analyst Professional (Coursera)

TECHNICAL SKILLS

Programming & Data Processing: Python (Pandas, NumPy, Scikit-learn, SciPy), SQL (MySQL, PostgreSQL), R (ggplot2, Tidyverse), Excel (Advanced Formulas, VBA), SAS
Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, OpenCV
Statistical & ML Techniques: A/B Testing, Linear Regression, Logistic Regression, Hypothesis Testing, ANOVA, Time Series Forecasting, Clustering, Decision Trees, Statistical Modeling
Data Visualization & Business Intelligence: Tableau, PowerBI, Matplotlib, Seaborn, Plotly, Excel
Development Tools: Github, Jupyter Notebooks/Lab, RStudio, LaTeX, Java, JavaScript, Perl

PROFESSIONAL AFFILIATIONS

American Statistical Association(ASA), Association for Computing Machinery(ACM), ACM SIGCHI, Tri Alpha