Youngbeen Oh

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EDUCATION

University of Illinois Urbana-Champaign, Champaign, IL   *August 2021-May 2023*
M.S., Information Management   *STEM-designated program*
- GPA: 3.96/4.00
- Relevant Topics: Data Science, Data Analysis, Data Visualization, Data Warehousing
  Information Modeling, Web Development, Web Management

University of Mississippi, Oxford, MS   *January 2017-December 2020*
B.B.A., Management Information Systems
- GPA: 3.74/4.00
- Honors: Chancellor's Honor Roll, Dean's Honor Roll, Cum Laude Graduate
- Relevant Topics: Database Management, System Engineering, Web Applications

PROFESSIONAL EXPERIENCE

Front-end Engineer Intern, T&I Co., Ltd, Republic of Korea   *May 2019-August 2019*
- Collaborated with an outsourcing vendor to upgrade an existing promiscuous and untidy website, enhancing the UX and UI of the company's website by organizing the navigation bar and contents
- Resulted in a 50% increase in user engagement and a 30% decrease in bounce rate, which significantly boosted product inquiries by 80% and led to increased sales growth

PROJECTS

EZ University: Web development using Django App Frameworks - *Link*   *January 2023-May 2023*
- Developed a robust relational database system using Django App Frameworks, resulting in improved data management
- Enhanced the functionality of a course information website by implementing advanced interaction features using HTML, CSS, and JavaScript with PyCharm software
- Implemented a secure user access authentication system to protect sensitive information and ensure appropriate access control based on login credentials, resulting in an error-free authentication process with 99.9% accuracy

Gully Erosion Project: Data Analysis & Visualization - *Link*   *January 2023-May 2023*
- Developed and implemented Python-based sample models for efficient data processing, resulting in a 30% reduction in processing time compared to previous methods
- Conducted comprehensive data processing, analysis, and visualization using Seaborn, Matplotlib, Geopandas, and Rasterio tools to uncover key insights into gully erosion patterns in the research paper

Dynamic of NYC: Data Analysis & Visualization   *September 2021- December 2021*
- Utilized k-means clustering to visualize datasets from Kaggle, effectively clustering New York City into different groups based on location and conducting in-depth analysis of traffic flow in and out of each cluster
- Applied heatmap and Matplotlib to predict neighborhood interactions for each area at various times of the day, resulting in insightful visualizations

Paper Goods Management InfoSystem: Web development using cPanel - *Link*   *August 2020- December 2020*
- Integrated a robust MySQL database managed through phpMyAdmin to handle seamless data insertion, modification, and deletion processes with an accuracy rate of 99.9%
- Designed UX and UI using Bootstrap to provide a smooth user interface, and optimized website performance by reducing page load time by 30% through efficient coding practices

SKILLS

Core Programming	Python • R • SQL • HTML • CSS • PHP • JavaScript
Data Science	Numpy • Pandas • Seaborn • Matplotlib
Software	PyCharm • Anaconda • RStudio • Tableau • SQLite • Microsoft SQL • GitHub • MS Office
Tools	Git • R Markdown • Django • GoDaddy • Netlify • WordPress • Bootstrap
Language	English (Fluent) • Korean (Native) • Chinese (Conversant)