

Chiwon Seuh

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Summary

Aspiring Data Analyst and AI enthusiast seeking an entry-level position where I can leverage my data science background, hands-on project experience, and machine learning expertise to contribute effectively. Eager to apply analytical and programming skills to tackle complex challenges in a dynamic, growth-focused environment

Education

University of Wisconsin – Madison, Madison, WI

GPA 3.59 / 4.0

Degree: Bachelor of Science in Data Science

Dec. 2024 Expected

Certificate: Computer Science

Coursework: Machine Learning and Statistical Pattern Classification, Data Science Programming, Data Science Modeling, Big Data System, Statistical Data Visualization, Introduction to Text Mining

Projects

Factor analysis of COVID-19 Death Rates using Python (Team of 4)

MADISON, WI

Project Leader & Data Analyst, STAT 451 (Machine Learning & Statistical Pattern Classification)

July 2023 - August 2023

- Explored prediction of COVID-19 death rates by employing machine learning models, including Logistic Regression, Decision Tree, and Gradient Boosting Classifier models
- Implemented oversampling techniques to address data imbalances in precision and recall and enhance model accuracy.
- Discovered the Decision Tree model's superiority, which outperformed Gradient Boosting by 994 correct predictions and surpassed Logistic Regression by 1,078 correct predictions

Automated Hymns and Scripture Presentation Generator using Python (Team of 2)

MADISON, WI

Data Analyst, Korean Presbyterian Church

December 2023 – March 2024

- Developed an automated tool for generating PowerPoint presentations of hymns and Bible verses using web scraping techniques and Python (BeautifulSoup, Requests, os) to support religious activities, significantly enhancing the accessibility of spiritual content for Korean-speaking congregations

Yelp Dataset Analysis

SOUTH KOREA

Data Analyst

May 2024 - Present

- Imported and managed Yelp JSON data in MySQL, creating efficient relational databases for business, review, and user data
- Performed sentiment analysis on Yelp reviews using transformers, classifying sentiments into positive, negative, and neutral
- Conducted business analysis to identify popular categories and correlated them with customer ratings and reviews
- Generated detailed reports and visualizations using data visualization libraries to communicate key trends and insights

Experience

Library Technician, Madison, WI

Sep 2024 – Present

- Offer comprehensive technical support and troubleshooting solutions for various computing issues, ensuring patrons can efficiently access and utilize library resources.
- Maintain and enhance the functionality of library computers and printers, contributing to the overall positive experience of library users.

KAIST AI Research Summer Internship, South Korea

June 2024 – Aug 2024

- Implemented state-of-the-art (SOTA) Baseline models for time series forecasting
- Utilized Python and Pytorch to build and optimize deep learning architectures, resulting in significant improvements in forecasting performance across multiple domains
- Gained hands-on experience with advanced AI concepts, including feedforward layers, induction heads, and explainable AI (XAI), enhancing model interpretability
- Developed and implemented solutions for image classification and retrieval-augmented generation (RAG) using modern AI frameworks, expanding technical skillset in diverse AI applications

Executive Assistant to the Commander, Republic of Korea Navy

April 2021 – December 2022

- Orchestrated daily operational support for senior naval command, enhancing organizational efficiency and demonstrating acute accountability
- Assisted in maintaining operational readiness by promptly addressing and communicating issues during various scenarios, showcasing problem-solving and critical thinking skills
- Collaborated closely with the IT department to set up and maintain computers, printers, and other office equipment

Skills

Programming Languages: Python, R, SQL, Java, JavaScript, MySQL, Hadoop, Spark, Cassandra, BigQuery, Kafka

Tools: Visual Studio, Jupyter Notebook, Jupyter Lab, RStudio

Misc: Linux/UNIX Server (Ubuntu), Git, PyTorch, Pandas, NumPy, Matplotlib, PyArrow

Languages: Korean (Native), English (Fluent)