

Min Jegal

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Summary

Senior year Bachelor student majoring in Data Science, Applied Mathematics, Computer Science and Engineering with strong international orientation. Passionate about Project Management and Data Science in business.

Education

CHARLES III UNIVERSITY OF MADRID

Madrid, Spain

Bachelor in Data Science and Engineering

Aug 2023 – Aug 2024

- A year-long international exchange with a focus on Data Science
- Acting as a member of Business Analytics Association in UC3M, organizing networking and technology seminar events with Microsoft, Google, and other companies

Relevant Coursework: Neural Network, ML application, Optimization and Analytics, Statistical Learning

KONGJU NATIONAL UNIVERSITY

Kongju, South Korea

Bachelor in Computer Science Education, Applied Mathematics GPA: 4.1/4.5

March 2021 – now

- Awarded with a Scholarship for Academic Excellence throughout entire education

Relevant Coursework: BigData Practice, Artificial Intelligence and Application, Database(SQL), Probability Theory

Experience

AI PLAYGROUND

Spain, South Korea, US

Project Leader

Jul 2023 – now

- Spearheaded the creation of an AI learning game platform for young learners, wrote detailed product requirement documents (PRDs)
- Recruited 10 team members, continuously managing the project timeline
- Leading external relationship building, branding efforts, and funding initiatives

PRIVATE TUTOR

Remote

Python Private Tutor

Jan 2023 - now

- Created comprehensive and engaging teaching materials tailored to the learning needs of students aged between 12- 17 years old
- Taught fundamental Python with Pygame, Streamlit Package and data visualization with PyPlot

OUTTA

Spain, South Korea, Canada, US

Chief Operative Officer, Deep Learning Mentor

Jun 2022 – now

- Co-founded and led a social impact NGO with international outreach aiming to provide approachable AI education to everyone
- Developed detailed product requirements and defined a Minimum Viable Product (MVP) for a new AI boot camp module, collaborating with stakeholders to ensure alignment with educational goals
- Led data-driven advertisement campaigns using Google Ads and social media platforms; optimized ads with A/B testing, attracting 900+ applicants in two weeks
- Analyzed internal boot camp data with Excel to identify areas of improvement, resulting in 20% increase in user satisfaction and course completion rates

THE ANKH

Seoul, Korea

Data Analyst

Jun 2021 – Jun 2023

- Automated the health check and reservation system by mapping out the full process flow, enhancing operational efficiency and simplifying workflows
- Utilized Excel and Python for data visualization and analytics at a mental health startup, delivering insights that improved business performance

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TORONTO CATHOLIC DISTRICT SCHOOL BOARD, BREBEUF COLLEGE

Toronto, Canada

Computer Science (Technology) Department Intern Teacher

May 2023

- Conducted teaching of grade 9-12 students focused on Python, Physical Computing and Algorithms
- Served as a mentor at the 'AngelHack 3.0 Toronto' hackathon, hosted by Hack Club

Projects

Sketch Image Classification System

- Developed a robust AI classifier for distinguishing between real images and computer-generated sketches, securing 2nd place in a national data hackathon organized by the Ministry of Science and ICT of Korea
- Implemented advanced data preprocessing and cleansing techniques (DBSCAN, Agglomerative Clustering) and optimized VGG 16, ResNet 18, and ResNet 50 model, achieving superior classification accuracy with 81% with 0.61 f1-score by addressing data imbalance and image format variances
- **Sketch Image Classification System**
- Led the development of Spotify playlist recommendation systems using ML and NLP techniques, including BoW, GloVe embeddings, LDA, and K-means clustering
- Engineered a dataset of 10,000+ tracks via API and developed content-based and collaborative filtering models, optimizing performance through rigorous evaluation
- Created an interactive dashboard in Python Dash, enhancing user engagement and showcasing AI-driven recommendations

Certifications

Google Cloud Data Analytics Certificate | *Google*

Expected Sep 2024

AWS Certified Cloud Practitioner | *Amazon Web Services*

Expected Sep 2024

Scholarships and Honors

Scholarship from the National University Development Project | *Ministry of Education*

Spring 2023

Data Creator Camp (Data Science Hackathon), Second Place | *National Information Society Agency*

Fall 2022

KNU AI Competition, Third Place | *KNU AI Education Development Center, Ministry of Education*

Fall 2021

Certificate of Excellence (Mentoring Program) | *Mayor of Yongsan-gu, Korea*

Fall 2021