

Junhee Park (Juni)

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SKILLS

Programming Languages: Python, JAVA, C++
Server: AWS EC2, S3, Apache, PHP, Linux
Database: MSSQL, MySQL, SQLite

Framework: Tensorflow, Pytorch
Library: Pandas, Numpy, Matplotlib, Scikit-Learn, tmux
Languages: English (Professional), Korean (Fluent)

WORK EXPERIENCE

XL8 | Professional Colloquial Machine Translation Solutions

AI Research Intern

Oct.2023 - Apr.2024

- Enhanced machine translation by incorporating **number word augmentation** for German, Portuguese, and Vietnamese, developing targeted test cases to improve accuracy.
- Managed and evaluated the large-scale Paracrawl dataset, ensuring high-quality data selection and efficient uploads to **Amazon S3**, while enhancing existing download processes to include new datasets, thereby improving my data management skills.
- Conducted a comparative analysis of **transliteration** tools for English to Korean and Japanese, successfully integrating the most effective module to boost translation accuracy.
- Integrated translation codes from both internal and external translators, implemented the **MetricX23** metric, and compared outputs from xl8, Google, and DeepL to further enhance quality assessments.

RealSmart Corporation | Spearheading OMR-based testing, survey analysis, and smart tools for education and business.

Android Engineer & Database Engineer & Windows Application Developer

Nov.2020 - Dec.2021

- Developed a personalized WordTEST Android application using JAVA and MSSQL, offering a user-friendly interface and high-performance database integration.
- Expertly managed and optimized **over 90** MSSQL databases using SQL Server Management Studio (SSMS), executing tasks like performance tuning, backups, and security measures.
- Refined and deployed a report program leveraging VSTO and MSSQL, successfully delivering it to several academic research institutes and private educational entities.
- Enhanced a Windows-based application using C++, now adopted by **500+** academies, **200+** universities, and **300+** businesses, including prominent organizations like Samsung and Seoul National University.

PROJECT

Friend matching app for co-purchase - MATEY, Silicon Valley Bootcamp, San Francisco, CA

AI Engineer & Project Manager

Jun.2023 - Sep.2023

- Implemented user affinity-based similarity analysis algorithm, using **Word2Vec**.
- Created an app design images using Generative AI tools, **Stable Diffusion** and **Midjourney**.
- Led a team of **6** engineers in a **3-month** long project, using Notion and Trello for efficient project management.

Deepfake Detection Challenge - Kaggle

AI Engineer & Project Manager

Jan.2020 - Mar.2020

- Implemented a Deepfake detection model using **Tensorflow**, **Pytorch**, integrating various **CNN models** such as SSD, Faster-rcnn, inception-v2.
- Implemented a model to detect faces in frames using **MTCNN** and **Dlib**.
- Achieved a **52.3%** improvement, with a score of 0.69314, over the average of 1.45091 attained by other teams.
- Led a team of **7** engineers in a **3-month** long project.

Benchmarking CNN Models for Image Classification Performance | [Google Slide](#)

AI Engineer

Nov.2018 - Apr.2019

- Achieved an impressive **97.7% accuracy**, exceeding the previous peak of 92.59% using **ResNet-152**.
- Compared **13 CNN models** to test which models perform best in classifying dog and cat species using **Pytorch**.
- Utilized **Scikit-Learn**, **Pandas**, **Numpy** and **Matplotlib** to create data visualizations for enhanced data analysis.

English Words Learning App, Oneday Voca

Android Engineer

Jul.2018 - Oct.2018

- Developed Android application for learning English words using **JAVA**.
- Enabled OCR text recognition on cameras and photos using **OpenCV** and **Google Vision API**.
- Built a server infrastructure using **AWS EC2**, **Apache**, **PHP**, **Mysql** and **Linux**.

CERTIFICATE

AICE(AI Certificate for Everyone) Associate — KT & The Korea Economic Daily

Nov.2022

- Data analysis/processing/modeling based on coding (Tensorflow, Numpy, Pandas, Matplotlib, Scikit-learn)

Tensorflow Certificate — Tensorflow

May.2022

EDUCATION

Hanyang Cyber University, Seoul, Republic of Korea

B.S. in Applied Software Engineering, GPA: 4.07/4.5

Mar.2020 - Feb.2024