

Ji Woo Choi

 Ji Woo Choi |  choi-jiwoo

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Seoul, Seocho-gu - 06593, Republic of Korea

OBJECTIVE

Motivated Machine Learning Engineer with a strong interest in the transformative potential of technology and data-driven solutions.

Seeking to leverage my skills to drive innovation and create meaningful impact by solving complex challenges and advancing data-centric initiatives.

EDUCATION

• Yonsei University

Master of Science in Industrial Engineering

Sep. 2022 - Aug. 2024

Seoul, Republic of Korea

◦ Thesis: *Anomaly Detection and Localization Using Few-Shot Vision-Language Model Prompt Tuning*

◦ GPA: 4.07/4.50

• Ajou University

Bachelor of Business and Administration in E-business

Mar. 2019 - Feb. 2022

Suwon, Republic of Korea

◦ GPA: 4.10/4.50

• University of San Carlos

Completed 93 credits towards a B.S in Information and Communications Technology

Jun. 2013 - Apr. 2016

Cebu, Philippines

RESEARCH EXPERIENCE

• System Intelligence Lab

Graduate Research Assistant

Advisor: Chang Ouk Kim, Ph.D

Sep. 2022 - Aug. 2024

◦ Developed an AI-driven Virtual Metrology system to predict metrology values, and extract drift/shift features in dynamic systems.

◦ Mentored semiconductor engineers in applying AI techniques to define and solve complex real-world problems.

PROJECTS

• Capstone Project

Tools: [React, Django, Python, BERTopic, Kakao Maps API]

Oct. 2021 - Dec. 2021



◦ Developed an web application that provides users information about stores in Jeju specifically where users can involve in Sustainable Tourism using React.js and Django.

◦ Scraped list of stores where Jeju local cash voucher can be used and store reviews from Naver Place.

◦ Extracted keywords from store reviews with BERTopic for users to easily search stores with given tags.

• financialdatapy

Tools: [Python]



◦ Developed a python package that extracts financial data of a company.

◦ Scraped, and preprocessed financial statements, and historical stock price data of companies in United States, and South Korea specifically.

◦ Deployed the package to PyPI with a full documentation built with Sphinx.

SKILLS

• **Programming Languages:** Python, R, Javascript

• **Web Technologies:** React

• **Database Systems:** MySQL, PostgreSQL

• **Data Science & Machine Learning:** PyTorch, TensorFlow, Scikit-Learn

• **Languages:** Korean (Proficiency), English (Intermediate)

CERTIFICATIONS

- **AWS Certified Cloud Practitioner**

Expires Jan. 2025

ADDITIONAL INFORMATION

- **Republic of Korea Air Force**
 - Discharged upon completing military service

Aug. 2016 - Aug. 2018