


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** Sep. 2022 - Aug. 2024
Master of Science in Industrial Engineering Seoul, Republic of Korea
 - Thesis: *Anomaly Detection and Localization Using Few-Shot Vision-Language Model Prompt Tuning*
 - GPA: 4.07/4.50
- **Ajou University** Mar. 2019 - Feb. 2022
Bachelor of Business and Administration in E-business Suwon, Republic of Korea
 - GPA: 4.10/4.50
- **University of San Carlos** Jun. 2013 - Apr. 2016
Completed 93 credits towards a B.S in Information and Communications Technology Cebu, Philippines

RESEARCH EXPERIENCE

- **System Intelligence Lab** Sep. 2022 - Aug. 2024
Graduate Research Assistant
Advisor: Chang Ouk Kim, Ph.D.
 - 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** Oct. 2021 - Dec. 2021
Tools: [Python, BERTopic, Selenium, Kakao Maps API] 
 - 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** Aug. 2016 - Aug. 2018
 - Discharged upon completing military service