Jeonghoon Kim

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EDUCATION

University of Minnesota, Twin Cities   **(***Expected) May 2023*
- Bachelor of Science in Computer Science   *GPA 3.5/4.0*

SKILLS

- **General**: Python, JAVA, JavaScript, C/C++, HTML/CSS, MySQL, Shell Scripting, MATLAB, R
- **Developer Tools**: VSCode, Jupyter Notebook, Git/Github, Docker, AWS, GCP, PyTorch, TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Jira

WORK EXPERIENCE

Knowledge Computing Lab, University of Minnesota-Twin Cities
AI Research Assistant   *Jan 2023 – May 2023*
- Collaborated with renowned researcher Prof. Yao-Yi Chiang at Knowledge Computing Lab, actively contributing to groundbreaking research in the field of text detection and recognition in historical maps.
- Contributed on fine-tuning Text Spotting Transformer, achieving excellent results in spotting and recognizing multi-lingual text in historical maps.
- Enhanced AI model accuracy and robustness by generating synthetic images using advanced computer vision techniques and processed text data with creativity and technical expertise.

R&D Center, Tesser Inc, Seoul, South Korea
Data Scientist Intern   *May 2022 – Sept 2022*
- Led a Clinical Trial data project to build a recommendation system and prediction model that achieved 70% accuracy in predicting the success rate of progressing Clinical Trials.
- Communicated with clients regarding the project and collaborated with cross-functional teams, including data scientists and engineers, to deliver high-quality solutions on time and within budget.

Tesser Inc, Seoul, South Korea
Data Engineer   *March 2021 - Dec 2021*
- Played a key role in the development of an advanced machine learning model for inferring on incurable diseases, achieving over 95% accuracy through the successful implementation of XGBoost.
- Utilized Python and SQL to analyze and preprocess large datasets for multiple projects focused on customer behavior, contributing to the successful completion of predictive modeling and NLP tasks.
- Deployed AI models to API, providing clients with a user-friendly interface to test and interact with the models.

Republic of Korea Army, Icheon, South Korea
Military Driver   *Feb 2019 - Sept 2020*
- Transported military personnel, equipment, and supplies safely and efficiently, demonstrating exceptional driving skills in various terrain conditions with no accidents or incidents.
- Enhanced communication, adaptability, and teamwork in challenging environments through service in the Republic of Korea Army.
- Exhibited exceptional leadership and decision-making in emergency response, combat, and military drills, leading to mission success and recognition from senior officials.