Jisu Kim

Atlanta, GA | jisulog.k@gmail.com | (470) 652 9854 | https://www.linkedin.com/in/jisulog/

EDUCATION

Georgia Institute of Technology (GT)   Atlanta, GA

Master of Science in Human-Computer Interaction Interactive Computing; Advisor: Dr. Ashok Goel   May 2025

Undergraduate Exchange Program in Computer Science   GPA: 4.0/4.0

Korea Advanced Institute of Science and Technology (KAIST)   Daejeon, Korea

Bachelor of Science in Computer Science, Minor in Artificial Intelligence   August 2023

Double Major in Business and Technology Management   GPA: 3.66/4.3

Honors and Awards: World Friends Korea ICT Volunteers Project Competition (2nd place); KAIST Athletics Doubles Badminton (2nd place); KAIST Civil and Environmental Engineering Undergraduate Research Presentation (1st place)

PUBLICATIONS

One vs. Many: Comprehending Accurate Information from Multiple Erroneous and Inconsistent AI Generations

Yoonjoo Lee, Kihoon Son, Tae Soo Kim, **Jisu Kim**, John Joon Young Chung, Eytan Adar, Juho Kim

FAccT 2024: ACM Conference on Fairness, Accountability, and Transparency. (Submission Under Review)

EXPERIENCE

KAIST Interaction Lab (KIXLab) – *Research Intern; Dr. Juho Kim*   Daejeon, Korea

Understanding users' comprehension ability from inconsistent large language models (LLMs)   Jan. 2022 – Aug. 2023

- Identified five types of output inconsistencies, and designed a user study to understand users' interaction with LLMs.
- Spearheaded data analysis and visualization of a user study with 250+ participants using **Pandas** with **Python** and **R**.
- Developed the back-end for a user study interface using **SQLite** and **Flask**, collaborating with a front-end developer.

Experience Design Lab (KAIST x Google Arts & Culture Lab x NASA JPL) – *Research Intern*   Daejeon, Korea

Raising awareness about freshwater scarcity through interactive online and offline media   Mar. 2023 – Jul. 2023

- Translated Surface Water and Ocean Topography (SWOT) data into the design of a user-centric interactive online game.
- Collaborated cross-functionally with NASA JPL on SWOT data, Google on platform, and Unity developers for game design.
- Exhibited both online at Google Arts & Culture Lab and offline at the UN Climate Change Conference 2023.

Samsung SDS Co., Ltd. (Samsung Data System) – *Machine Learning Intern*   Seoul, Korea

Developing a real-time background segmentation model for the video conference platform   Mar. 2021 – Aug. 2021

- Developed a **PyTorch** model achieving 1.5x speed, 34% reduced loss, and 14% fewer parameters than the base model.
- Leveraged unlabeled dataset training by knowledge distillation, improving accuracy by transfer learning and fine-tuning.
- Integrated the developed model into the Samsung video conference platform, Knox Meeting.

Samsung Electronics Co., Ltd. – *Data Science Intern*   Seoul, Korea

Data mining of Key Performance Indicators (KPIs) from LTE eNB statistical data for KPI Modeling   Jul. 2020 – Aug. 2020

- Extracted KPIs and performed correlation analysis between KPIs from 2.7M+ LTE eNB datasets using **Pandas** with **Python**.
- Optimized LTE eNB KPI modeling based on identified correlations in collaboration with machine learning engineers.

PROJECTS

Mask Verification Deep Learning Model – *Lead Developer* | GitHub

Developed a **Pytorch** model in **Python** for mask detection during the COVID-19 pandemic, achieving 98.9% accuracy.

FORECST, Online Hackathon Website – *Project Lead* | GitHub | Demo

Directed a team of 4 in the end-to-end website development from ideation to deployment using **React.js** and **Firebase**.

SKILLS & LEADERSHIP

Programming Languages	Python, R, Java, JavaScript, C, C#, CSS, HTML, PHP, MATLAB, Assembly
Frameworks/Libraries	TensorFlow, PyTorch, Keras, CUDA, Scikit-Learn, OpenCV, React.js, Node.js, Pandas, NumPy, SciPy
Tools/Software	Android Studio, Git, Linux, Jupyter, Arduino, SQL, MongoDB, Flask, Firebase, Processing, CAD, Figma
Leadership	Student President of KAIST School of Computing (Representative of 800 students)