Yejin Kim, AI Software Engineer

+821051101996, kimyejin.kr@gmail.com, linkedin.com/in/yejin-kim-684835160, github.com/Yejining

EDUCATION

Sejong University, Seoul, South Korea

Master of Computer Science and Engineering *Mar 2021 - Present*

- GCPA 4.5/4.5 (100/100) [Transcript] [Certificate]

Bachelor of Computer Science and Engineering *Mar 2016 – Feb 2021*

- GCPA 4.18/4.5 (95.8/100), Graduated with Magna Cum Laude [Transcript] [Certificate]

SKILLS AND AWARDS

- Programming Languages: Python – Proficient I Java, C# - Familiar
- Frameworks and Development: Pytorch, Tensorflow, Flask, D3.js, Android Studio
- Software Management: Git, SVN
- National Scholarships for (2019-2020), Honors Program Scholarships (2021)

WORK EXPERIENCE

Data Visualization Lab, Sejong University, Seoul, South Korea Oct 2019 – Feb 2022

- Participated managing research projects by writing proposals, end-year reports and presentation documents, and communicating with external research facilities
- Supervised new undergraduate researchers by seminars and laboratory curriculums
- Managed scheduling, writing, and reviewing for writing a survey paper of heterogeneous data fusion
- Generated and managed a Github lab organization, and hosted a seminar for it

PROJECTS

Data Visualization Lab, Sejong University, Seoul, South Korea

COVID-19 Prediction Modeling, Main Author, Main Developer Jan 2020 – Feb 2022

- Created deep learning models for predicting infected number of COVID-19, and analyzed what feature combinations are effecting the model performance
- Collected dataset of COVID-19, analyzed and preprocessed the dataset, modeling and optimizing deep learning models, wrote academical papers, and applied patent by myself [K-journal] [K-conference]
- Implemented existing disease models and released it as open sources
- Used Pytorch, Tensorflow Framework and implemented both on Windows OS and Linux

Anomaly Cable Detection, Author, Developer *Jan 2020 – Aug 2021*

- Given cable tension of cable-stayed bridges, detected which cable is abnormal
- Modeled the detecting model with statistical analysis method, and wrote into a SCI paper [SCI]

Gaze Tracking Program, Main Developer *Oct 2019 – Feb 2020*

- Developed gaze tracking program to tracking eye-gaze, and I-VT filter which determines state of gaze
- As a main developer, communicated with the researcher to make the code easily used and reproduced
- Those programs were used 2 SCI and 2 conferences papers so far [SCI1] [SCI2] [Conf1] [K-Conf2]
- Used PyQT framework, and released all programs as open sources

Personal Project, Seoul, South Korea

Navigation for the Blind, Android Developer, Presenter *Jun2018 – Jun2019*

- Developed a navigating Android application for the blind in subway stations by sounds
- Mapped the user location using indoor magnetic field, and developed navigating algorithm using A*
- Gave a presentation for the 30th Global Software Contest in Korea, and won silver prize

LEADERSHIP

Sejong Honors Program, Sejong University, Seoul, South Korea Sep 2016 – Present

President

- Hosted evening program for leadership camp to make people getting known each other
- Gathered opinions on classes and programs from students and discussed with professors

En# (Enjoy C#), Academic Club, Sejong University, Seoul, South Korea Mar 2018 – Present

Member, Study Host

- Hosted C# study and reviewed codes twice a week for half a year for the new members