JEONGAH LEE

EDUCATION

Sungkyunkwan University
Seoul, Korea
Mar 2019 – Mar 2024
B.S in Computer Science and Engineering
Overall GPA : 3.81/4.5, Major : 3.95/4.5

The University of Texas at Austin
Austin, United States
Jan 2022 - May 2022
Exchange student, Electrical and Computer Engineering department

CONTACT

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linkedin.com/in/jeongah-jasmine-lee
https://github.com/jjeongah

RESEARCH INTERESTS

HCI AI/ML

SCHOLARSHIP

- 2019 Sungkyun Software Scholarship
- 2019 MegastudyEdu Scholarship
- 2021 Creative Scholarship
- 2021 Recommendation Scholarship
- 2022 Academic Excellent Scholarship

PUBLICATION

IoT Edge-Cloud: An Internet-of-Things Edge-Empowered Cloud System for Device management in Smart Spaces [Link]

IEEE Network Magazine, 8 page
*Yoseop Joseph Ahn, Minje Kim, **Jeongah Lee**, Yiwen Shen, Jaehoon Paul Jeong*
June 2023

- Developed the application that manages smart devices through visualization
- Improved location tracking accuracy by 32%~39% by combining Smart Pedestrian Dead-Reckoning(SmartPDR) and Particle Filter-Indoor Positioning System(PF-IPS)

IoT HCI

WORK EXPERIENCE

Cipherome Inc [Link]

ML Engineer Intern in Advanced Research Team
San Jose, United States
Mar 2023 - Aug 2023

- Developed machine learning functionality for a clinician-focused medical data analysis application
- Designed wireframes and proposed patient clustering functionality
- Implemented validation for data processing, feature engineering, and model training steps using OMOP CDM data
- Performed patient clustering using UK Biobank data and conducted an data analysis using UH Cleveland data, focusing on zinc levels and COVID severity

AI/ML HEALTH CARE

ACADEMIC EXPERIENCE

AI x Bookathon contest [Link]

Jan 2021

- Created a novel using the GPT-2 model with the theme of 'the path of life discovered on the lost journey'
- Won third place

AI/ML NLP

Kookmin University self-driving contest

Jul 2021 – Nov 2021

- Wrote the lidar part python code to drive the Xytron car using the Robot Operating System
- Won first place among 76 teams
- [Link] Performance is available for review starting at 4:30:29 in the video

Robotics

VOLUNTEER & LEADERSHIP

College of Computing Student Council Public Relations Team *2019*

- Designed posters for public notice every week as a member of public relations team

Mobile Application Programming Mentoring at Youngbok Girls' High School

Sep 2019 - Dec 2019

- Taught how to create mobile apps using App Inventor and provided hands-on guidance on app development principles, UI design

Panama World Friends Korea ICT e-volunteer for MS education

Nov 2020 - Dec 2020

- Won the excellence prize from the National Information Society Agency

PROJECTS

Boostcamp AI Tech
Natural Language Processing track [Link]

Hosted by Naver Connect Foundation

Sep 2022 – Feb 2023

[1] Semantic Text Similarity Project [Link]

- Constructed a model that inputs two sentences and measures scores from 0 to 5 points depending on the semantic similarity between the sentence pairs

[2] Relation Extraction Project [Link]

- Constructed a model that predicts the properties and relationships of words in sentences using KLUE data

[3] Open-Domain Question Answering Project [Link]

- Built a two-stage model consisting of a 'retriever' step that finds relevant documents and a 'reader' step that reads related documents and finds answers

[4] BTS Twitter Chatbot Project [Link]

- Provided a Twitter-based chatbot service for BTS fans, offering interactive Q&A and engaging chitchat experiences

AI/ML NLP

SK Planet Co.,Ltd. Industry Cooperation Project

2020

[1] Location-based rhythm game app [Link]

- Developed an outdoor location-based AR rhythm game application for Busan One Asia Festival using AR Core

[2] Wi-Fi based indoor location recognition app [Link]

- Developed an indoor location recognition app using Wi-Fi fingerprinting
- Provided customized advertisements and benefits based on the customer's real-time location

AR IoT HCI