

Jeongah Lee

✉ jeongahlee@umass.edu

🌐 <https://jeongah-jasmine-lee.github.io/>

in Jeongah Jasmine Lee


Research Interests

Human-Computer Interaction, Artificial Intelligence, Accessibility, Data Visualization



Education

MS/Ph.D	University of Massachusetts Amherst , Computer Science	Amherst, MA, USA
	• GPA: 4.0/4.0	Sep 2024 - Present
B.S	Sungkyunkwan University , Computer Science and Engineering	Suwon, Korea
	• GPA: 3.71/4.0 (converted)	Mar 2019 - Feb 2024
	The University of Texas at Austin , Electrical and Computer Engineering	Austin, TX, USA
	• Exchange student program	Jan 2022 - May 2022

Publication

IoT Edge-Cloud: An Internet-of-Things Edge-Empowered Cloud System for Device Management in Smart Spaces	June, 2023 IEEE Network 
Yoseop Joseph Ahn, Minje Kim, Jeongah Lee , Yiwen Shen, Jaehoon Paul Jeong	
• Developed a cloud-based IoT system for the visual control and management of smart devices through a smartphone application, enhancing user interaction and device control	

Research Experiences

HCI-VIS lab @ University of Massachusetts Amherst , Graduate Research Assistant	Amherst, MA, USA
• Advisor: Dr. Ali Sarvghad 	Sep 2024 - Present
IoT lab @ Sungkyunkwan University , Undergraduate Student Researcher	Suwon, Korea
• Advisor: Dr. Jaehoon Paul Jeong 	Jul 2021 - Nov 2021

Work Experiences

University of Massachusetts Amherst , Graduate Teaching Assistant	Amherst, MA, USA
• CICS 110 Introduction to Programming (Fall 2024): Led two lab sessions weekly, each supporting over 60 students, and managed grading	Sep 2024 - Present
• CS 383 Artificial Intelligence (Spring 2025)	
Seoul National University Bundang Hospital , Natural Language Processing (NLP) Researcher	Bundang, Korea
• Developed a model that predicts lung cancer TNM stage using an Electronic Health Record dataset	Mar 2024 - Jul 2024
• Finetuned Large Language Models (LLMs) in resource-restricted settings, optimizing model performance through tailored prompt engineering techniques	
Cipherome, Inc , Machine Learning (ML) Engineer, Intern	San Jose, CA, USA
• Developed the pipeline for an ML module within a clinician-focused medical data analysis platform	Mar 2023 - Aug 2023
• Designed Figma wireframes to improve user experience and UI/UX	
Boostcamp AI Tech Program , NLP Researcher	Remote
• Led projects on Semantic Text Similarity, Relation Extraction, Open-Domain Question Answering, and Chatbot Development tasks	Sep 2022 - Feb 2023
SK Planet Co.,Ltd. , Industry-Academic Cooperation Student Researcher	Suwon, Korea
• Developed an AR rhythm game application for the Busan One Asia Festival using AR Core to provide location-based interactive experiences	Mar 2020 - Dec 2020
• Developed an indoor location recognition app using Wi-Fi fingerprinting to provide customized adver-	

Awards and Honors

[Awards]

- 3rd Place (Grand Prize), Chung-ang University AI and Humanities Academic Paper contest Jan 2023
- 1st Place (Grand Prize), Kookmin University self-driving contest Jul 2021 - Nov 2021
- 3rd Place (Grand Prize), Sungkyunkwan University AI x Bookathon contest Jan 2021
- Volunteering Excellence Prize, NIA(National Information Society Agency) Dec 2020

[Scholarships]

- Academic Excellence Scholarship (top 12%) 2022
- Creative Scholarship (100% tuition support) 2021
- Sungkyun Software Scholarship (100% tuition support) 2019
- MegastudyEdu Scholarship (external) 2019

Volunteering/Leadership

Panama World Friends Korea ICT e-volunteer	Nov 2020 - Dec 2020
Mobile Application Programming Mentoring at Youngbok Girls' High School	Sep 2019 - Dec 2019
College of Computing Student Council Public Relations Team	Mar 2019 - Dec 2019

Skills

Languages: Korean (native fluency), English (full professional proficiency)

Computer/Programming: Python, Pytorch, R, JavaScript, HTML/CSS, C, C++