

Amy Chun (Jiyun Chun)

(Dual Citizenship: USA & Korea)

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in 

Education

The Ohio State University


Columbus, OH, USA

- Ph.D. student, *Computer Science and Engineering*
- Advisor: [Andrew Perrault](#) 

Aug. 2022 - Present

Sookmyung Women's University

Seoul, Korea

- M.A. *IT Engineering*
- Advisor: [Chulyun Kim](#) 

Sookmyung Women's University

Seoul, Korea

- B.A. *IT Engineering*

The University of Sheffield

Sheffield, UK

- Exchange Program in Mathematics

2018 - 2019

Research Interests

Large Language Models (LLMs), Deep Reinforcement Learning, Conversational AI, and Multi-modal Systems

Publications

ARES: Alternating Reinforcement Learning and Supervised Fine-Tuning for Enhanced Multi-Modal Chain-of-Thought Reasoning Through Diverse AI Feedback

2024

Ju-seung Byun[†], **Jiyun (Amy) Chun**[†] (*Equal Contribution*), Jihyung Kil, Andrew Perrault, *The 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP 2024)*

Event Detection on Literature by Utilizing Word Embedding

2020

Jiyun (Amy) Chun, Chulyun Kim, *The 25th International Conference on Database Systems for Advanced Applications (DASFAA)*

Deep Learning based Event Extraction from Literature

2020

Jiyun (Amy) Chun, Chulyun Kim, *Korea Computer Congress (KCC)*

Optimization of Weights in CNN Using Genetic Algorithm

2019

Hyeongju Ju, Jungeun Park, **Jiyun (Amy) Chun**, Chulyun Kim, *Korea Computer Congress (KCC)*

Blog Articles Multi-modal Ranking System based on Gender Information

2018

Jiyun (Amy) Chun, Chulyun Kim, *Korea Computer Congress (KCC)*

Gender Classification using Face Recognition from Real-life Images

2018

Seoyoun Ryu, **Jiyun (Amy) Chun**, Jiye Lee, Chulyun Kim, *Korea Computer Congress (KCC)*

Working Paper & Projects

Interactive Conversational Systems for Children ([COSI project](#))

Present

Modified Q Function for Multi-step Reasoning Problem

Present

Awards

Summer Graduate Research Awards – Center for Cognitive and Brain Science (CCBS) 🔗 <i>, The Ohio State University</i>	2024
The CSE Scarlet and Gray Award , <i>The Ohio State University</i>	2022 - Present
Brain Korea 21 (BK21) scholarship	2020 - 2021
Assistant scholarship , <i>Sookmyung Women's University</i>	2019 - 2020
Exchange program scholarship , <i>Sookmyung Women's University</i>	2018
Undergraduate leadership scholarship , <i>Sookmyung Women's University</i>	2017 - 2018
Global Exploration Project scholarship , <i>Sookmyung Women's University</i>	2017
Internship scholarship , <i>Sookmyung Women's University</i>	2017
Self-leadership scholarship , <i>Sookmyung Women's University</i>	2016
Semester high honors Award , <i>Sookmyung Women's University</i>	2015 - 2018
Semester best honors Award , <i>Sookmyung Women's University</i>	2015

Teaching Experience

The Ohio State University	Columbus, OH, USA
<ul style="list-style-type: none">• [CSE 1224] Programming Python (Fall 2024) – Instructor• [CSE 4256] Programming Python (Spring 2024) – Instructor• [CSE 5544] Introduction of Data Visualization (Fall 2023)• [CSE 1224] Programming Python (Spring 2023)• [CSE 1224] Programming Python (Fall 2022)	
Sookmyung Women's University	Seoul, Korea
<ul style="list-style-type: none">• Course: Fashion and Health (2019-2020)	

Experience

Sookmyung Women's University , Graduate Researcher & Research Intern	Seoul, Korea
<ul style="list-style-type: none">• Developments on context information analysis-based matching technologies for Expanding the Market of Online Publications (<i>Korea Copyright Commission</i>)• Developments on extraction and classification of educational publication based on artificial intelligence technologies (<i>National Association of Cognitive Science Industries</i>)	
	2017 – 2022

Technologies

Languages: Android, C, C++, CSS, HTML, Java, Javascript (Vue.js), PHP, Python, R
Frameworks: PyTorch, Tensorflow, MATLAB
Web scraping: Scrapy (w/ Selenium)
Database: MySQL, Tableau

Other information

Languages: English (Fluent), Korean (Native)
Citizenship: USA and Republic of Korea (Dual citizenship)