

# Amy Chun (Jiyun Chun)

(Dual Citizenship: USA &amp; Korea)


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in 

## Education


### The Ohio State University

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

Columbus, OH, USA

Aug. 2022 - Present

### Sookmyung Women's University

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

Seoul, Korea

2019 - 2022

### Sookmyung Women's University

- B.A. *IT Engineering*

Seoul, Korea

2015 - 2019

### The University of Sheffield

- Exchange Program in Mathematics

Sheffield, UK

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<sup>†</sup>, **Jiyun (Amy) Chun**<sup>†</sup> (*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

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

## Teaching Experience

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

## Experience

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

## Technologies

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**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

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