Amy Chun (Jiyun Chun)

(Dual Citizenship: USA & Korea)

📞 +1 617 800 3246   ✉ chun.203@osu.edu   in ⬆

Education

The Ohio State University	**Columbus, OH, USA**
• Ph.D. student, *Computer Science and Engineering*	Aug. 2022 - Present
• Advisor: Andrew Perrault ↗	
Sookmyung Women's University	**Seoul, Korea**
• M.A. *IT Engineering*	2019 - 2022
• Advisor: Chulyun Kim ↗	
Sookmyung Women's University	**Seoul, Korea**
• B.A. *IT Engineering*	2015 - 2019
The University of Sheffield	**Sheffield, UK**
• Exchange Program in Mathematics	2018 - 2019

Research Interests

Large Language Models (LLMs), Reinforcement Learning (RL), 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***, Jiyu Lee, Chulyun Kim, *Korea Computer Congress (KCC)*

Working Paper & Projects

Linguistic Age Prediction for Conversational AI Systems (COSI project ↗)	Present
Modified Q Function for Multi-step Reasoning Problem	Present

Awards

Summer Graduate Research Awards – Center for Cognitive and Brain Science (CCBS) ↗   2024
, The Ohio State University

The CSE Scarlet and Gray Award *, The Ohio State University*   2022 - Present

Brain Korea 21 (BK21) scholarship   2020 - 2021

Assistant scholarship *, Sookmyung Women's University*   2019 - 2020

Exchange program scholarship *, Sookmyung Women's University*   2018

Undergraduate leadership scholarship *, Sookmyung Women's University*   2017 - 2018

Global Exploration Project scholarship *, Sookmyung Women's University*   2017

Internship scholarship *, Sookmyung Women's University*   2017

Self-leadership scholarship *, Sookmyung Women's University*   2016

Semester high honors Award *, Sookmyung Women's University*   2015 - 2018

Semester best honors Award *, Sookmyung Women's University*   2015

Teaching Experience

The Ohio State University   **Columbus, OH, USA**
- [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**
- Course: Fashion and Health (2019-2020)

Experience

Sookmyung Women's University, Graduate Researcher & Research Intern   **Seoul, Korea**
- Developments on context information analysis-based matching technologies   2017 – 2022
  for Expanding the Market of Online Publications *(Korea Copyright Commission)*
- Developments on extraction and classification of educational publication based on
  artificial intelligence technologies *(National Association of Cognitive Science Industries)*

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)