

# YUNA HWANG

yunahwang@cs.wisc.edu  
<https://yunahwang.github.io/>

## EDUCATION

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|---|---------------------|
| <b>University of Wisconsin-Madison</b> , Madison, USA (UW-Madison)  | Sep.2022 - May.2027 |
| <ul style="list-style-type: none"><li>• Ph.D. in Computer Science</li><li>• Advisor: Professor Bilge Mutlu</li></ul>  |                     |
| <b>Sungkyunkwan University</b> , Seoul, Republic of Korea   | Mar.2018 - Feb.2022 |
| <ul style="list-style-type: none"><li>• Bachelor of Applied Artificial Intelligence, Bachelor of Economics (Statistics)</li><li>• Graduated <i>Magna Cum Laude</i></li><li>• Advisor: Professor Hayeon Song</li></ul> |                     |
| <b>Indiana University</b> , Bloomington, USA  | Jan.2019 - May.2019 |
| <ul style="list-style-type: none"><li>• Exchange Student, College of Arts and Sciences</li><li>• 3.925/4.0 GPA</li></ul>  |                     |

## TECHNICAL SKILLS

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Python/Java/C++, Linux, Robot Operating System (ROS), R/SPSS, OracleSQL

## PATENTS (APPLIED)

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J.Lee\*, J.Lee, J.Park\*, Y.Hwang\*, and J.Kim, “Method for Judging Abnormal Electrocardiogram Using Artificial Neural Network” Korean Patent Application No.1020210045672, **(2021)**.  
\* these authors contributed equally

## HONORS AND AWARDS

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| <b>Summer Research Assistantship</b>  | Summer 2023 |
| <ul style="list-style-type: none"><li>• Department of Computer Sciences, UW-Madison</li></ul>   |             |
| <b>Student Success Scholarship (\$3200; Full Tuition)</b>   | Jun.2021    |
| <ul style="list-style-type: none"><li>• College of Computing and Informatics, Sungkyunkwan University</li></ul>                       |             |
| <b>2nd Prize in the AI X Book-hackathon Competition</b>   | Jan.2021    |
| <ul style="list-style-type: none"><li>• Sungkyunkwan University Library and Mindslab Inc.</li></ul>                                   |             |
| <b>Academic Excellence Scholarship (\$1800)</b>   | Sep.2019    |
| <ul style="list-style-type: none"><li>• AI Convergence Major, College of Computing and Informatics, Sungkyunkwan University</li></ul> |             |

## CONFERENCE PRESENTATIONS

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- Kim, D.H., **Hwang, Y.**, Wu, Y., & Song, H. (2022). Coping with Stress during the COVID-19: Social Support through Social Media. The 72nd Annual International Communication Association Conference, Paris, France.
  - Stegner, Laura.\*, **Hwang, Yuna.\***, Porfirio, David., Mutlu, Bilge. (2024). Understanding On-the-Fly End-User Robot Programming. DIS'24. Under review.
- \* these authors contributed equally

## JOURNAL ARTICLES

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1. Kim, Doha., **Hwang, Yuna.**, & Song, Hayeon. (2024). Social media use on social support and stress through different coping strategies. *Frontiers in Psychology, Health Psychology*. Under review.

## WORKSHOP PAPERS

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1. **Hwang, Yuna.**, Sato, Arissa.J., Mutlu, Bilge. (2024). Understanding Generative AI in Robot Logic Parametrization. End-User Development for Human-Robot Interaction Workshop (EUD4HRI). HRI'24.
2. Stegner, Laura., **Hwang, Yuna.**, Porfirio, David., Mutlu, Bilge. (2024). Towards End-User Knowledge for Long-Term Use of Robots in Care Facilities. HRI for Aging in Place Workshop (HRI-AiP 2024). HRI'24.

## TEACHING EXPERIENCE

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### UW-Madison, Madison, USA

- Teaching Assistant, Undergraduate Course
  - CS320: Data Programming II Spring 2023
  - CS220: Data Programming I Fall 2022

### Sungkyunkwan University, Seoul, Republic of Korea

- Teaching Assistant, Undergraduate Course
  - GEDT020: AI Basics & Uses Fall 2021, Spring 2021
  - GEDT014: Computational Thinking and Software Coding Spring 2020

## RESEARCH EXPERIENCE

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### People and Robots Laboratory, UW-Madison Feb.2023 - *present*

- Graduate Research Assistant

### Human-AI Interaction Lab, Sungkyunkwan University Sep.2021 - Jul.2022

- Undergraduate Research Intern

## SERVICE AND OUTREACH

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### People and Robots Laboratory Tour, UW-Madison Feb.2024, May.2023

- Gave a demonstration of the collaborative robot (cobot) *Periscope* to high school students

### Wisconsin AI Safety Initiative, UW-Madison Apr.2023 - Jul.2023

- Facilitator for the Interpretability Up-Skill Event (Apr.2023)

### Effective Altruism UW-Madison, UW-Madison Oct.2022 - Dec.2022

- AGI Safety Fundamentals Program Fellow

### Statistical Analysis Student Society, Sungkyunkwan University Sep.2020 - Nov.2021

- Data Mining Team Leader (Mar.2021 - Jun.2021)

### Center of Support for Students with Disability, Sungkyunkwan University Mar.2021 - Jun.2021

- Student Academics Volunteer