

# Eunji Park

Assistant Professor | eunjipark@cau.ac.kr | [ixlab.cau.ac.kr](http://ixlab.cau.ac.kr) | [cookingfoil.github.io](http://cookingfoil.github.io)

## RESEARCH INTERESTS

---

**Human computer interaction**  
User behavior and performance modeling  
Multimodal interaction and sensor fusion

## EMPLOYMENT

---

**School of Computer Science and Engineering, Chung-Ang University** Seoul, Korea  
Assistant Professor (Director of IXLAB) Sep 2023 – Present

## EDUCATION

---

**Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, Korea  
Ph.D in Computer Science (Advisor: Uichin Lee) Feb 2019 – Aug 2023

- Thesis: Data-Driven Human Behavior and Performance Modeling using Multimodal Datasets

**Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, Korea  
M.S. in Culture Technology (Advisor: Byungjoo Lee) Feb 2017 – Feb 2019

- Thesis: Predicting error rates in pointing regardless of target motion

**Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, Korea  
B.S. in Material Science and Engineering Feb 2010 – July 2015

## HONORS AND AWARDS

---

**NAVER PhD Fellowship Award**, NAVER (5M KRW) 2021  
**Research Grant for Ph.D. Candidates**, National Research Foundation of Korea (40M KRW) 2021  
**Honorable Mention Award**, CHI'21 2021  
**Honorable Mention Award**, CHI'20 2020  
**Kimyoungghan Global Leader Scholarship** (4M KRW) 2019  
**Wonkwangyeon Hall Exhibition Competition** - Media art 'Water lily', Grand Prize 2017  
**Teaching Awards**

- Outstanding TA Award (CS592 Data Structure), School of Computing, KAIST (2023)
- Outstanding TA Award (CS592 Sensor Data Science), School of Computing, KAIST (2022)
- Outstanding TA Award (CS206 Data Structure), School of Computing, KAIST (2022)

## EXPERIENCE

---

**Graduate Research Assistant** Feb 2021 – present  
Interactive Computing Lab, KAIST Daejeon, Korea

- Modeling Mental Efforts for Emotion Regulation in Customer Service Call Contexts
- Human Digital Twin for Emotion Workers
- Modeling Tracking Coverage of Physical Activity using Wearables and Smartphones Data
- Modeling User Performance and Behavior Using Machinery Data from Automated Manufacturing System (CHI'23)

**Graduate Research Assistant** Feb 2017 – Feb 2021  
Interactive Media Lab, KAIST Daejeon, Korea

- Secrets of Gosu: Understanding Physical Combat Skills of Professional Players in First-Person Shooters (CHI'21)
- NYXL-IML Collaboration Project: Measuring NYXL Player's Physical and Cognitive Performance
- An Intermittent Click Planning Model (CHI'20)
- Button++: Designing Risk-aware Smart Buttons (CHI'18 Late Breaking Work)
- A Study on the Effect of Inter Key Spacing on Typing Performance (HCI Korea'18)
- Moving Target Selection: A Cue Integration Model (CHI'18)

**R&D Researcher** July 2015 – Feb 2017  
SK Hynix Icheon, Korea

- Participated in process integration and performance improvement of DRAM

## PUBLICATIONS

---

### Conference Papers

- **Eunji Park**, Yugyeong Jung, Inyeop Kim, Uichin Lee. "Charlie and the Semi-Automated Factory: Data-Driven Operator Behavior and Performance Modeling for Human-Machine Collaborative Systems". *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. 2023.* (CHI'23)
- **Eunji Park**, Sangyoon Lee, Auejin Ham, Minyeop Choi, Sunjun Kim, and Byungjoo Lee. "Secrets of Gosu: Understanding Physical Combat Skills of Professional Players in First-Person Shooters". *In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems. 2021.* (CHI'21)  
**Best Paper Honorable Mention Award (top 5%)**
- **Eunji Park**, and Byungjoo Lee. "An Intermittent Click Planning Model.". *In Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems. 2020.* (CHI'20)  
**Best Paper Honorable Mention Award (top 5%)**
- Byungjoo Lee, Sunjun Kim, Antti Oulasvirta, Jong-In Lee, and **Eunji Park**. "Moving Target Selection: A Cue Integration Model". *In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems. 2018.* (CHI'18)

### Other publications

- Sangjun Park, **Eunji Park**, Paul H Lee. "Measuring Device-Specific Physical Activity Trackability in Multi-Device Environments". *2023 IEEE International Conference on Big Data and Smart Computing.* (BigComp'23)
- **Eunji Park**, Hyunju Kim and Byungjoo Lee. "Button++: Designing Risk-aware Smart Buttons". *In Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems. 2018.* (CHI'18 Late Breaking Work)
- Hyunju Kim, **Eunji Park** and Byungjoo Lee. "A Study on the Effect of Inter Key Spacing on Typing Performance" *In Proceedings of the 2018 HCI Korea. 2018.*

## TALKS

---

University of Seoul HCI Seminar	Nov 2023
The Korean Institute of Broadcast and Media Engineers Seminar	Nov 2023
UNIST CSE333 (Introduction to Human-Computer Interaction) Seminar	Jun 2023
HCI Korea Workshop (Mental Healthcare Based on Human Digital Twin)	Feb 2023
UNIST CSE333 (Introduction to Human-Computer Interaction) Seminar	May 2022
EIRIC (Electronic & Information Research Information Center) Seminar	Sep 2021

## SERVICES

---

### Organizing

- 2019 SIGCHI Korea Local Chapter Workshop Local Co-Chair, 2019

### Reviewing

- CHI'23, TEI'21 Work In Progress / CHI'21 Late Breaking Work / CHI'20 Late Breaking Work / CHI PLAY'19 Work In Progress / CHI'19 / CHI PLAY'20 Work In Progress / CSCW'20 Poster

### Student Volunteer

- Ubicomp'21

## TEACHING EXPERIENCE

---

### Instructor

Object-Oriented Programming (School of CSE, Chung-Ang University)	Fall 2023
Principles of Programming Language (School of CSE, Chung-Ang University)	Fall 2023

### Teaching Assistant

Data Structure (KAIST CS206)	2022
Sensor Data Science (KAIST CS592)	2022
Data Structure (KAIST CS206)	2021
HCI Theory & practice (KAIST KSE531)	2021
Making Things (KAIST CTP404)	2020
Introduction to Data Analytics Using R (KAIST CS564)	2019
Human-Computer Interaction (KAIST GCT741)	2017