

Jiwon Chung

Seoul, Republic of Korea

Phone: +1 (689) 201-1239 Email: jiwon@jiwonchung.com

 [Official academic website](#) |  [LinkedIn](#) |  [ORCID](#) |  [Google Scholar](#)
 [ResearchGate](#) |  [Web of Science](#) |  [Academia.edu](#)

FORMAL EDUCATION

Korea University [Seoul, Republic of Korea]

Bachelor of Arts: German Language and Literature, College of Liberal Arts

Aug. 2022

Master of Science: Information Security, School of Cybersecurity

Feb. 2026

Master's Thesis:

"Credit Card Fraud Detection: An Improved Strategy for High Recall Using KNN, LDA, and Linear Regression"
(UCI: 1804:11009-000000306194)

RESEARCH INTERESTS

- My research examines how multisensory data act as embodied signals in AI systems, enabling inferences about health, identity, and other intimate bodily states. I focus on the gap between seemingly harmless sensory disclosure and the deeper inferential capabilities of AI in food, health, and affective computing contexts.
- Building on my background in privacy compliance, I aim to develop human-centered and governance-aware frameworks for responsible multisensory and embodied AI.

PUBLICATIONS

[First Author]

Journals

Chung, J., & Kwon, H. (2025). Privacy fatigue and its effects on ChatGPT acceptance among undergraduate students: is privacy dead? *Education and Information Technologies*, 30(9), 12321–12343.

<https://doi.org/10.1007/s10639-024-13198-6>

[First Author]

- This research explored how privacy fatigue influences undergraduate students' perceptions and adoption of ChatGPT. It was found that reduced privacy concerns boost usage despite potential risks.

Chung, J., & Lee, K. (2023). Credit Card Fraud Detection: An Improved Strategy for High Recall Using KNN, LDA, and Linear Regression. *Sensors*, 23(18), 7788.

<https://doi.org/10.3390/s23187788>

[First Author]

- This article proposes a robust multimodel strategy that combines KNN, LDA, and linear regression, which significantly improves fraud detection recall rates compared to traditional single-model approaches.

Posters

Chung, J., & Kwon, H. (2025, October). Privacy Fatigue and Its Effects on ChatGPT Acceptance Among Undergraduate Students: Is Privacy Dead? Encore Poster Presentation at the 1st Workshop on Human-Centered AI Privacy and Security (HAIPS), co-located with ACM CCS 2025, Taipei, Taiwan.

Originally published in *Education and Information Technologies* (2025).

- This encore poster revisited prior findings on how privacy fatigue influences ChatGPT acceptance among undergraduates, aiming to foster a dialogue on human-centered AI privacy and security. Beyond the formal presentation, the workshop provided a valuable opportunity for engaging discussions with attendees, including the organizers.

PROFESSIONAL AND ACADEMIC SERVICE

Reviewer

Springer Nature *The Journal of Supercomputing* (SCI Journal)

2025 - Present

Springer Nature *Education and Information Technologies* (SSCI Journal)

2024 - Present

RESEARCH EXPERIENCE

Risk Management Lab, Korea University

Mar. 2023 - Feb. 2026

PI: Prof. Kyungho Lee

Graduate Student Researcher

Microsoft Korea Inc., Republic of Korea

July 2023 - Sep. 2023

Project Title: "Debate on Improving Network Separation Systems in the Financial Sector"

Purpose: To develop proposals for enhancing the financial sector's network separation policies to strengthen cybersecurity

- Conducted in-depth discussions with academics, chief privacy officers, and government representatives
- Planned and organized seminars at the request of Microsoft Korea, focusing on cybersecurity policies in the financial industry
- Coordinated and facilitated meetings between financial authorities and company representatives to propose and refine network separation policy enhancements

Microsoft Korea Inc., Republic of Korea

Feb. 2023 - June 2023

Project Title: "Cyber Resilience Policy and Technology Trends in ASEAN and Oceania"

Purpose: To investigate cybersecurity resilience policies and technology trends in ASEAN and Oceania to inform political projects

- Conducted extensive consultations and solicited contributions from academic and industry experts across ASEAN and Oceania
- Used Overleaf to edit and compile papers into a professional brochure
- Published the final edited volume highlighting regional cybersecurity policies and technological advancements

The Asia Business Daily Co., Ltd., Republic of Korea

Dec. 2022 - June 2023

Project Title: "Development of a Program for Detecting Manipulation and Fraud in Online Shops"

Purpose: To build a data-driven tool for detecting fraudulent activities on e-commerce platforms

- Managed this project as an apprentice, implementing software development and cybersecurity principles to address practical online retail challenges
- Developed and implemented Python-based web crawlers in Jupyter Lab to gather consumer behavior data from e-commerce websites
- Applied natural language processing to detect suspicious review patterns

Undergraduate Research Assistant

Institute for Culture in German-Speaking Countries Korea University, Republic of Korea

Jan. 2019 - Jan. 2020

PI: Prof. Jeong-Rin Lee

Project Title: "Transcription and Study of German Records on Early Joseon Korea"

Purpose: To support historical documentation and cross-cultural research

- Transcribed original German-language historical records written by visitors to Korea during the early Joseon Dynasty
- Supported academic research by organizing archives and translating materials between Korean and German for cultural studies

SCHOLARSHIPS AND AWARDS

Research Assistant (B) Scholarship (\$5,742)

Spring 2023 - Spring 2024

*Department of Information Security
School of Cybersecurity, Korea University*

BK21 FOUR Research Scholarship (\$10,017)

Spring 2023 - Fall 2023

*Department of Information Security
School of Cybersecurity, Korea University*

Alumni Association Special Scholarship (\$1,704)

Spring 2023

Korea University

Veritas Program Scholarship (\$1,021)

Spring 2019 - Spring 2020

Office of Development & External Affairs, Korea University

Award: Chief of Staff Level Individual Commendation

Apr. 2018

*Republic of Korea Army
(Recognized for outstanding achievement in March for leading the Soldier's Vision Design Plan; selected as the sole recipient for the month in the Korea Army; featured in a special interview by the National Defense Daily)*

Award: Division Commander Level Individual Commendation

June 2017

*Republic of Korea Army
(Recognized for outstanding performance in Early Warning Receiver Group Training for Q2 2017)*

The Welfare Section Scholarship (\$682)

Fall 2015

*Department of Health and Welfare
Korea University*

TEACHING AND WORKING EXPERIENCE

Cybersecurity Policy Manager, Information Security Team [Full-time]

SentBe Inc., Republic of Korea

July 2025 - Present

- [Regulatory & Partner Audit Readiness]
 - Coordinated documentation and evidence preparation for Philippines GCash (Lite/Full) due diligence audits and Lotte Shopping's e-commerce subcontractor inspection.
- [Certification Program Management]
 - Managed ISO 27001/27701 surveillance audits by maintaining ISMS documentation, control evidence, and closing compliance gaps against FSS and fintech standards.
 - Led PCI-DSS certification audit response for the Visa Direct service, overseeing scope definition and demonstrating controls for cardholder data (PAN) protection, encryption, and secure transmission.
- [Policy Design & Governance]
 - Drafted and updated internal security and privacy policies in line with domestic and international regulations.
 - Led a full revision of IS Infrastructure (ISxInfra) policies and aligned them with Legal & Compliance standards.
 - Revised external-facing Information Security and Privacy Policies and the Information Security Statement, coordinating executive approval and public disclosure.
- [Security Awareness & Training]
 - Conducted interactive security awareness training for international employees via the ZEP metaverse platform.
 - Executed advanced phishing simulations using GoPhish, targeting threats like quishing and MFA bypass.

- [Data Protection & Privacy Operations]
- Mapped personal data flows for the SentBe mobile application to establish lifecycle traceability for audits and engineering decisions.
- Strengthened physical access controls in the Customer Experience (CX) zone based on ISO audit feedback.

Teaching Assistant [Full-time]

**Course: Risk Management (English)
(SMRT33400* & SCS70300**)**

Fall 2023

PI: Prof. Kyungho Lee

Division of Smart Security (Undergraduate)* & Department of Information Security (Graduate)**
School of Cybersecurity, Korea University

Market Data Analyst [Intern]

ConnexioH Inc., Republic of Korea

July 2023 - Aug. 2023

- Analyzed big data using Python and visualized it with Matplotlib, Seaborn, and Plotly
- Managed and maintained data in ClickHouse database using SQL queries, achieving significant user interaction rates
- Processed and manipulated JSON data structures using SQL queries
- Analyzed and visualized consumer data from online shopping malls to extract business insights

Big Data Driven AI Service Developing Bootcamp [Apprentice]

The Asia Business Daily Co., Ltd., Republic of Korea

Dec. 2022 - Jun. 2023

- Participated in a big data-driven artificial intelligence service-developing bootcamp
- Led a project for detecting manipulative activities in online shops, leveraging practical experience in software security and cybersecurity
- Processed and manipulated JSON data structures using SQL queries
- Developed automated Python crawlers in JupyterLab to collect and store online shop metrics
- Analyzed manipulative reviews using natural language processing
- Optimized AdaBoost to improve prediction accuracy

Monitoring Team for Preventing Illegal Distribution of Personal Information [Intern]

Korea Internet & Security Agency (KISA), Republic of Korea

Feb. 2022 - Mar. 2022

- Tracked and identified personal data trafficking activities on the dark web and Twitter
- Stored data in SQLite and reported them to the KISA
- Achieved third highest detection rate among all interns for flagging illegal personal data trading posts
- Discovered more than 100 daily listings of personal data for sale, including extensive trafficking of South Korean passport numbers and email addresses on dark web marketplaces

Undergraduate Research Assistant [Intern]

Institute for Culture in German-Speaking Countries at Korea University, Republic of Korea

Jan. 2019 - Jan. 2020

- Transcribed German records from the opening era of the Joseon Dynasty

Sergeant [Full-time]

Republic of Korea (ROK) Army, Republic of Korea

Mar. 2017 - Dec. 2018

- Honorably discharged as a sergeant from the ROK Army and received the Excellence in Soldier Career Development Planning award (Selected as the sole recipient for the month in the Korea Army; featured in a special interview by the National Defense Daily)

EXTRACURRICULAR ACTIVITIES

Member

Mensa International Ltd., United Kingdom; International High IQ Society

Sep. 2015 - Present

- As a guest member of the Düsseldorf, Germany chapter (July-Nov. 2024), I participated in cultural exchange and diversity discussions via regular Stammtisch gatherings. Through these meetings, I established lasting international connections with members from diverse backgrounds.

Student Ambassador

KUP'C, Republic of Korea; Student Donation Messenger at Korea University

Mar. 2019 - Sep. 2020

- I promoted donation culture at Korea University via targeted campaigns and by creating promotional content to enhance the university's internal and external visibility. I also supported various university events by managing protocols, planning newsletters, conducting interviews, and writing articles.

Volunteer

International Workcamp Organization, Republic of Korea (Member of UNESCO's Coordinating Committee for International Voluntary Service)

Jan. 2020 - Feb. 2020

Project Title: One Earth – Aurora Hunting and Global Warming

Location: Iceland

Commitment: 96 hours

Member

Deadlines, Baseball Club at Korea University

Mar. 2015 - Mar. 2017

Position: Second baseman

ADDITIONAL SKILLS

- Qualifications in Cybersecurity and System Administration: Certified Privacy Protection General (CPPG), and Linux Master Level 2
- Software: SmartPLS, ClickHouse, SQLite, JupyterLab, and Visual Studio
- Programming languages: Python, SQL, and LaTeX
- Korean (native), English (TOEFL Internet-Based Test: 105; Reading: 26, Listening: 26, Speaking: 25, Writing: 28), and German (Goethe Zertifikat Deutsch B2, Telc C1 Hochschule)

SOCIETY MEMBERSHIPS

- Institute of Electrical and Electronics Engineers (IEEE) – Student Membership
- Association for Computing Machinery (ACM) – Student Membership
- International Association of Privacy Professionals (IAPP) – Annual Student Membership
- Mensa International / Mensa Korea – Lifetime Member