

EDUCATION

University of Pennsylvania

Philadelphia, PA

Master of Science in Education in Interdisciplinary Studies in Human Development (GPA: 3.94/4.00)

August 2024

- Scholarship: 2023-24 the Merit Scholarship from Penn GSE, Korean American Scholarship Foundation

Handong Global University

Pohang, Korea

Bachelor of Science in Computer Engineering (GPA: 3.78/4.50)

August 2022

- Thesis: Analysis of the Relation Between Solar Wind and the Disturbance of the Geomagnetic Field, Advisor: Charmgil-Hong
- Study Abroad at University of Mississippi (Jan 2022-May 2022): Multi-Disciplinary Studies (GPA: 3.92/4.00)
- Scholarship: 2018 Excellent Academic Record, 2019 Handong Alumni Association, 2020-21 Korea Rotary Foundation

RESEARCH EXPERIENCE

Boys Town National Research Hospital

Omaha, NE

Research Assistant/Cognitive Affective NeuroDevelopment in Youth Lab (PI: Giorgia Picci)

Sep 2024 –Jun 2025

- Analyzed MRI and MEG neuroimaging data using software tools (FreeSurfer, Brainstorm, and BESA)
- Lead RA for neuroimaging study of puberty and mental health in autistic youth : Prepared IRB materials, coordinated recruitment, and collected a comprehensive battery of behavioral, hormonal assays(hair and saliva), and neuroimaging data from autistic youth
- Analyzed behavioral and neuroimaging data to understand the impact of early life stress on neurodevelopment

University of Pennsylvania

Philadelphia, PA

Research Assistant/Exploring Academic Resilience in Orchids (PI: Sean Plaskett)

Sep 2023–May 2024

- Interviewed 10 high school students who are at risk of dropping out of school in Sarah Pyle Academy-Wilmington, Sarah Pyle Academy-Newark, Newark High School
- Analyzed qualitative data to identify protective factors or processes of academic resilience aimed at reducing the risk of school dropout among those with high psycho-biological sensitivity to their environment by using Otter.ai

Seoul National University

Seoul, Korea

Research Assistant/Developmental Cognitive Neuroscience Laboratory (PI: Sangah Lee)

Oct 2022–Feb 2023

- Joined experiments to examine 30 children's multi-sensory cognitive learning, episodic memory
- Conducted assessments by using the Wechsler Intelligence Scale for Children (WISC) to 30 children
- Developed a model to predict children's episodic memory development in expectancy violation

University of Mississippi

Oxford, MS

Research Assistant/Cognition Underlying Behavior Laboratory (PI: Stephanie Miller)

Jan 2022–May 2022

- Led a preschoolers' cognition training experiment by applying mindfulness protocols at Lafayette School
- Recruited 50 children to participate by offering craft activities in Mississippi Day and Oxford's farmers market

Handong Global University

Pohang, Korea

Research Assistant/Handong Artificial Intelligence Laboratory(PI: Charmgil Hong)

Mar 2019–Dec 2021

- Implemented artificial neural networks to predict the mechanical properties of stamping processes
- Created machine learning models to detect factors affecting pancreatic cancer incidence
- Trained 40 lab members to gain the knowledge of developing prediction models by using Python
- Designed a Search Engine about the Korean reunification through the analysis of web scraping

PUBLICATION

1. **K. Inhee**, P. Jihee, and H. Charmgil, "Analysis of the Relation Between Solar Wind and the Disturbance of the Geomagnetic Field", *Korea Computer Congress(KCC), KCC 2020 Korea Computer Science Conference Papers*, July 2020, 1,581 - 1,583 (3 pages)

PRESENTATION

1. **K. Inhee**, “Understanding ADHD in Classroom: Insights from Educators” *the 1st Penn GSE Annual Student Showcase*, May 2024
2. A. Suhyun, **K. Inhee**, “Graph Neural Networks to project the Dehydrogenated Enthalpy of Liquid Organic Hydrogen Carriers(LOHC)” *HGU 2021 Capstone Festival Poster Presentation*, December 2021
3. **K. Inhee**, P. Jihee, and H. Charmgil, “Analysis of the Relation Between Solar Wind and the Disturbance of the Geomagnetic Field”, *Korea Computer Congress(KCC), KCC 2020 Korea Computer Science Conference Papers*, July 2020

SCHOLARSHIP AND GRANT

- 2023-24 Merit Scholarship from University of Pennsylvania GSE
- 2023-24 KASF(Korean American Scholarship Foundation) Scholarship
- 2023-24 Ok Hanheum Scholarship
- 2025-26 STEM Sprouts Grant from the Glenn W. Bailey Foundation

WORK EXPERIENCE

Applied Computing Foundation

(Remote) San Francisco, CA

Project Manager

Jun 2021–Present

- Designed a curriculum and created educational materials for Web programming, Python, and Artificial Intelligence courses
- Wrote grants for projects, which offer STEM education for underrepresented populations (lack of opportunities)

People Space

Irvine, CA

Intern

Jan 2020 –Feb 2020

- Built a biz machine by utilizing 3D printers and employed Python to operate their motors
- Learned artificial intelligence model development and practiced creating real-data models twenty hours a week

TEACHING EXPERIENCE

Teaching Korean

Seoul, Korea

Refugee Pnan, Jang-an Children center

Jan 2022–May 2022

- Taught Korean by reading eleven Korean books and instructing activities for elementary school students
- Led a book club discussion for ten middle and high school students

Teaching Programming Languages

Pohang, Korea

Pohang and Daebang High School, Pohang City Disabled Welfare Center, Nepal Living Stone Academy

2018–2020

- Trained 90 students (fifty Korean high school students, twenty disabled Korean students, and twenty Nepali middle school students) about Python, Arduino, and App Inventor
- Assigned projects such as making websites and games for students to apply the language they learned

Teaching Assistant in Physics and Open Source Software

Pohang, Korea

Handong Global University

Mar 2019–May 2020

- Tutored college students outside of class for three hours a week, totaling 40 hours a semester
- Graded sixty students' assignments and exams to give feedback for their future study

Korea Hydro Nuclear Power Company Global Volunteer Program

Třebíč, Czech Republic

NaCopchi, Beneshova, and Okrzyshki School

Jun 2019

- Instructed 60 students to make solar-cell cars and scientific toys
- Facilitated a Korean traditional cooking class at Ibanchiche Deaf School Orphanage

SKILL

- **Proficient In:** R, Matlab, Python, Java, C
- **Exposure To:** HTML, JavaScript, CSS, Tableau, C++, SQL, SPM
- **Language:** English (Advanced), Korean (Native)