

## EDUCATION

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- 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

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- Boys Town Institute for Human Neuroscience** Omaha, NE  
Research Assistant/Cognitive Affective NeuroDevelopment in Youth Lab (PI: Giorgia Picci) Sep 2024–Present  
– Analyze neuroimaging data using software tools (FreeSurfer, Brainstorm, and BESA)  
– Prepare IRB materials and collected behavior and neuroimaging data from children with autism  
– Analyze behavioral and neuroimaging data to understand the impact of racial discrimination
- University of Pennsylvania** Philadelphia, PA  
Research Assistant/Exploring Academic Resilience in Orchids (PI: Sean Plaskett) Sep 2023–May 2024  
– Interview 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  
– Analyze 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
- Research Assistant/Possibility Mentoring (PI: Michael Nakkula) Sep 2023–May 2024  
– Collaborate with mentors to create engaging activities that help guide General George Meade School students in discovering their future goals  
– Examine qualitative data considering relational, environmental, and emotional factors to optimize engagement in the mentoring program
- 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  
– Gathered a data set of 1,000 car images to develop a machine-learning model for image detection

## PUBLICATIONS

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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

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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

## WORK EXPERIENCE

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### Applied Computing Foundation

(Remote) San Francisco, CA

Project Manager

Jun 2021–Present

- Designed a curriculum and created educational materials for one Web programming, two Python, and two Artificial Intelligence courses
- Wrote grants for the STEMCruch project which is offering STEM education in central California
- Build networks to collaborate AI education for K-12

### 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

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### 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

## SKILLS

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