#### **PROFILE**

Results-driven graduate student in Cognitive Science with a strong foundation in Mathematics.

# Personal Information

Linner Waldweg 6
Bissendorf 49143
Lower Saxony
Germany

+49 176 4778 6207

seechoi@uniosnabrueck.de

seeun80@gmail.com

Married 2 Children

#### **EXPERIENCE**

Research Assistant in Joint Lab AI & Data Science, Uni. Osnabrück (Mar 2025 - present)

Graduate student in Computational cognitive modeling Automated Empirical Research Group (Oct 2024 - present)

• Research topic: "mathematical approaches that enhance the transparency and efficiency of automated scientific discovery"

# Fellowship in Workshop: Computational modeling in cognitive neuroscience Brown University, RI, USA (July 2024)

• Explored mathematical modeling techniques (Drift Diffusion, Bayesian Hierarchical, Sequential Sampling Models)

Teaching Assistant in Mathematics and Cognitive Science Uni. Osnabrück (Mar 2024 - present)

· Led tutoring sessions and grading weekly assignments

Research Assistant in Developmental Psychology Lab Uni. Osnabrück (May 2023 - Jan 2024)

 Supported data collection, cleaning, and quantitative analysis for network intervention projects

# Founder/Lecturer Dal House Institute, South Korea (2020 - 2023)

• Established an online educational platform and taught courses blending theory with practical applications in Mathematics and languages

# Private Lecturer Hanwoori Institute, Shanghai, China (2016 - 2018)

• Instructed high school students on advanced calculus and problemsolving, focusing on mathematical applications for SAT/IB preparation

# IT administrator KSEA, Vienna, VA, USA (May 2010 - Oct 2010)

 Managed IT infrastructure and coordinated technical operations for a major conference

Shuttle Bus Driver Shuttle-UM, College Park, MD, USA (Mar 2009 - May 2010)

 Obtained CDL (Commercial Driver's License) issued by MVA (Maryland Motor Vehicle Administration)

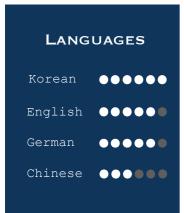
## **EDUCATION**

M.Sc. in Cognitive Science, Universität Osnabrück, Osnabrück, Germany (Apr 2023 - Present)

M.Sc. in Scientific Computing, Universität Heidelberg, Heidelberg, Germany (Apr 2014 – Feb 2015)

B.Sc. in Mathematics, University of Maryland, College Park, MD, USA (Aug 2008 - May 2010)

B.Ed. in Computer Science Studies, Korea University, Seoul, South Korea (Mar 2004 – Feb 2006)



#### **PROJECTS**

**Study Project** (Mar 24 - Present): Automated Music Transcription (subgroup : Research and UI front-end development)

Interdisciplinary Course (Oct 23 - Mar 24): Emergent Behaviours in a Multi-Agent System with Reinforcement Learning (subgroup : Environment for multi-agents using Mujoco, python, Git)

**Study Project** (Oct 23 - Sep 24): Computational analysis of behavioral psychology and animal cognition through data visualization and modeling

Lab-rotation neuroscience lab (Aug 23): Neuroscience Lab Rotation: Trained in EEG and Eye-Tracking data collection and analysis

# IT SKILLS

## Languages

Python, C

#### Frontend

HTML, CSS
JavaScript

## Mathematics

MATLAB, R

AR/VR, AI/ML
Unity, Pytorch

## **CERTIFICATES**

## Language Certificates:

**TESOL** (Teaching English to Speakers of Other Languages) **TestDaf** (Test Deutsch als Fremdsprache)

## Actuarial Science Certificate:

American Actuarial Science Exams (SoA) P1 (2009): Basic Probability theory and financial mathematics