

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@uni-
osnabrueck.de](mailto:seechoi@uni-osnabrueck.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 problem-solving, 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)

LANGUAGES

Korean ●●●●●●

English ●●●●●●

German ●●●●●●

Chinese ●●●●●●

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