

Jeongha Shin

Yonsei University

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EDUCATION

B.S. in Earth System Sciences, Yonsei University, Seoul, Korea

Mar. 2023 –

ACADEMIC COURSES

Geology and Geosciences:

Basic Mechanics in Geological Sciences, Geodynamics and Lab, Geophysics and Lab, Geophysical Exploration and Lab, Structural Geology, Field Geology and Lab, Sedimentary Petrology, Experimental Sedimentary Mechanics, Submarine Geology, Soil Science, Earth Materials Science and Lab, Igneous Petrology and Lab, Groundwater Flow and Transport, Modeling Techniques for Groundwater Flow, Groundwater & Soil Contamination, Satellite Geosciences and Lab, Earth Observation Satellite Data Science

Atmospheric Sciences:

Atmospheric Thermodynamics, Atmospheric Physics, Atmospheric Dynamics, Fluid Mechanics, Computational Fluid Dynamics, Satellite Meteorology, Micrometeorology, Atmospheric General Circulation, Atmospheric and Oceanic Circulation

Relevant Courses:

Calculus and Vector Analysis, Linear Algebra, Engineering Mathematics
General Physics and Experiments, Classical Dynamics, General Chemistry and Experiments, Scientific Data Analysis and Prediction

RESEARCH EXPERIENCE

Undergraduate Intern, **Morphodynamics and Quantitative Stratigraphy Lab**
Yonsei University, Seoul, Korea
Advisor: Wonsuck Kim

Sep. 2024 –

- Origin of subaqueous dunes on Dokdo seamount
- Experimental investigation of Delta evolution under sea-level rise

Student Intern, **Planetary Atmospheres Group (PAG)**
Institute for Basic Science, Daejeon, Korea

Jan. 2025 –

- Planetary atmosphere data analysis (obtained via spacecraft *Akatsuki*, JAXA)
- Long-term change of Latitudinal UV contrast of Venus

Undergraduate Intern, **Geologic Fluid Dynamics and Geofluids Lab**
Yonsei University, Seoul, Korea
Advisor: Weon Shik Han

Dec. 2023 – Jul. 2024

- Groundwater data analysis with GIS
- Numerical modeling for Water budget analysis

CONFERENCES

J Shin, R Aliste, and Y Lee (2025), Latitudinal UV Albedo of Venus, Poster presentation at KGU 2025, Cheongju, Korea

FIELD EXPERIENCE

Yeongwol, Gangwon-do, Republic of Korea	Aug. 2025
Busan, Gyeongsangnam-do, Republic of Korea	Jul. 2025
Taebaek, Gangwon-do, Republic of Korea	Nov. 2024
Hwaseong, Gyeonggi-do, Republic of Korea	Apr. 2024
Hantangang River, Republic of Korea	Apr. 2023

OTHER EXPERIENCE

International Geological Congress 2024, Busan, Korea

Aug. 2024

- Supporter and Observer

English for Academic Purposes(EAP); Advanced Plus Course,
RMIT University, Melbourne, Australia

Jul. 2024 – Aug. 2024

Yonsei DX Academy AI Challenge 21, Yonsei University

Jan. 2024

YSGS (Yonsei Society of Geological Scrutiny) Club executive

Mar. 2023 –

SCHOLARSHIP

Alumni Scholarship, Yonsei University Alumni Association	Mar. 2025 –
Natural Scientist Scholarship, The Surim Foundation	July. 2023 –
University Hope Scholarship, Samsung Dream Scholarship Foundation	Mar. 2023 –
Internal Scholarship, Yonsei University	Mar. 2023 –
Dream Scholarship, Samsung Dream Scholarship Foundation	Mar. 2020 – Feb. 2023

AWARDS AND HONORS

Honors, Yonsei University	Aug. 2023
Honors, Yonsei University	Mar. 2026

SOFTWARE

Programming Language: Python, MATLAB, C++
Adobe Photoshop
QGIS
PASCO Capstone

LANGUAGES

English: Advanced proficiency in academic writing, presentations, discussions; TOEFL iBT 114
Korean: Native proficiency