Sieun Sung

Bioinformatics Researcher & M.Sc. Student

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SUMMARY

Proactive and collaborative bioinformatics researcher with both industrial and academic experience. I value teamwork, open communication, and a solution-oriented approach to achieving meaningful scientific goals. My research interests include cancer genomics, epigenomics, and deep learning–based biomedical data analysis.

SKILLS

- MS Office (Word, Excel, PowerPoint)
- Linux, Git
- Python, bash, R
- Scikit-Learn, OpenCV, PyTorch, Tensorflow, Keras
- ADsP (Advanced Data Analytics Semi-Professional)

LANGUAGES

Korean

English

REFERENCES

Reference available upon request

EXPERIENCE

Bioinformatics Analysis Specialist   Sep 2022 — Jul 2024

NGeneBio Inc. - Seoul, Republic of Korea

- Conducted clinical NGS data analysis and reporting for multiple hospitals.
- Generated probe QC and coverage reports. Authored technical white papers and delivered webinars.
- Led in-house training on analysis software and variant interpretation.
- Reviewed and presented machine learning–based pathogenicity prediction research.
- Contributed to database updates for CCUS-related mutations under WHO 2022 guidelines.
- Participated in overseas technical training workshops.

Poster Presentation

The 21st KOGO Winter Symposium - Vivaldi Park, Hongcheon, Korea, Feb 5–7, 2025

- "3D Genome Organization in the Epithelial-Mesenchymal Transition Spectrum"

Poster Presentation

RECOMB 2025 - Yonsei University, Seoul, Apr 26–29, 2025

"Predicting 3D Chromatin Compartments from Epigenetic Signals without Hi-C using a TCN-Transformer Hybrid Network with Interpretable Attention"

EDUCATION

Soongsil University   2024 — 2026

Seoul, Republic of Korea | M.Sc. in Bioinformatics & Life Science

- GPA: 4.39 / 4.50
- Master's Thesis: "EpiCon-Former: A Contrastive Transformer forGeneralizable Epigenomic Signal Representation"

Seoul Women's University   2018 — 2023

Seoul, Republic of Korea | B.Sc. in Bio & Environmental Technology in Department of Chemistry and Bio-Environmental Sciences

- Department of Chemistryand Bio-Environmental Sciences