

# Seonghui Min

Seoul, Republic of Korea +82-10-2719-1295  
Email: [seonghui.min01@gmail.com](mailto:seonghui.min01@gmail.com) Webpage: <https://seonghui-min.github.io/>

---

RESEARCH INTERESTS	Deep Learning, Computer Vision, Generative AI, Label-Efficient Learning, Medical Image Analysis
-----------------------	---

---

EDUCATION	M.S. in Computer Science and Engineering, <b>Korea University</b> Advisor: Prof. Won-Ki Jeong - GPA: 4.11/4.5	<i>Mar. 2022 - Feb. 2024</i>
	B.S. in Biomedical Engineering, <b>Korea University</b> - GPA: 3.94/4.5	<i>Mar. 2018 - Feb. 2022</i>

---

PUBLICATIONS	<b>Conference Proceedings</b> (* equal contribution)
	[C-03] <b>Seonghui Min*</b> , Hyun-Jic Oh*, Won-Ki Jeong “Co-synthesis of Histopathology Nuclei Image-Label Pairs using a Context-Conditioned Joint Diffusion Model”, <i>European Conference on Computer Vision (ECCV)</i> , 2024.
	[C-02] SeungKyu Kim, Hyun-Jic Oh, <b>Seonghui Min</b> , Won-Ki Jeong “Evaluation and improvement of Segment Anything Model for interactive histopathology image segmentation”, <b>MICCAI 2023 Workshop MedAGI (MICCAIW)</b> , 2023.

[C-01] **Seonghui Min**, Won-Ki Jeong “CGAM: click-guided attention module for interactive pathology image segmentation via backpropagating refinement”, *IEEE International Symposium on Biomedical Imaging (ISBI)*, 2023.

**Journal Publications** (\* equal contribution)

[J-02] Hyun-Jic Oh\*, **Seonghui Min\***, Won-Ki Jeong “S2L-CM: Scribble-supervised Nuclei Segmentation in Histopathology Images using Contrastive Regularization and Pixel-Level Multiple Instance Learning”, **Under Review**.

[J-01] **Seonghui Min**, Won-Ki Jeong “ZoomISEG: Interactive Multi-Scale Fusion for Histopathology Whole Slide Image Segmentation”, *Journal of the Korea Computer Graphics Society (KCGS)*, 2023.

---

RESEARCH EXPERIENCE	Research Intern in <b>HVCL, Korea University</b> Advisor: Prof. Won-Ki Jeong - Interactive Tumor Region Segmentation in Histopathology Images	<i>Sep. 2021 - Feb. 2022</i>
	Research Intern in <b>BREIN Lab, Korea University</b> Advisor: Prof. Joon Kyung Seong - Regional Amyloid Positivity Prediction Using Brain MRI in Alzheimer’s Disease	<i>Mar. 2021 - Aug. 2021</i>

---

TEACHING	<b>Special Lecture for Computer Science (COSE490)</b> - Teaching Assistant at Korea University	<i>Fall 2022</i>
	<b>Data Structure (COSE213)</b> - Teaching Assistant at Korea University	<i>Spring 2022</i>
<hr/>		
AWARDS	<b>3<sup>rd</sup> Place Award</b> , Campus CEO Start-Up Competition <i>Team Leader</i> - Food Detection and Recognition for Inflammatory Bowel Disease Management	<i>Fall 2020</i>
<hr/>		
ACADEMIC ACTIVITIES	<b>BEAT</b> , Student Research Group at Korea University <i>Group Member</i> - Deep Learning Theories and Research Paper Seminars	<i>Fall 2020 - Spring 2021</i>
<hr/>		
SKILLS	<b>Programming:</b> Python, PyTorch, OpenCV, Scikit-learn, Matlab  <b>Languages:</b> Fluent in English, Native in Korean	
<hr/>		
REFERENCES	<b>Prof. Won-Ki Jeong</b> Professor, Korea University Relationship: MS advisor Email: wkjeong@korea.ac.kr	