Curriculum Vitae - Anh Tien Nguyen

Contact Information

Homepage: anhtiennng.github.io
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Research Interests

medical image analysis, computational pathology, computer vision, and deep learning

Education

Stony Brook University, USA — 08/2025 - Present

Ph.D, Computer Science

- Supervised by Prof. Dimitris Samaras

Korea University, South Korea — 03/2023 - 02/2025

M.Sc., Computer Engineering

- GPA: 4.0/4.0
- Supervised by Prof. Jin Tae Kwak

Ho Chi Minh City University of Technology, Vietnam — 08/2017 - 08/2021

B.E., Computer Engineering

- GPA: 3.9/4.0 - Rank 2
- Graduation classification: Excellent

Publications

- Normal and Abnormal Pathology Knowledge-Augmented Vision-Language Model for Anomaly Detection in Pathology Images
  Jinsol Song, Jiamu Wang, **Anh Tien Nguyen**, Keunho Byeon, Sangjeong Ahn, Sung Hak Lee, Jin Tae Kwak
  ICCV 2025
- Pathology-Informed Latent Diffusion Model for Anomaly Detection in Lymph Node Metastasis
  Jiamu Wang, Keunho Byeon, Jinsol Song, **Anh Tien Nguyen**, Sangjeong Ahn, Sung Hak Lee, Jin Tae Kwak
  MICCAI 2025
- VLEER: Vision and Language Embeddings for Explainable Whole Slide Image Representation
  Anh Tien Nguyen, Keunho Byeon, Kyungeun Kim, Jin Tae Kwak
  MICCAI Workshop 2025
- 2DMamba: Efficient State Space Model for Image Representation with Applications on Giga-Pixel Whole Slide Image Classification
  Jingwei Zhang*, **Anh Tien Nguyen***, Xi Han*, Vincent Quoc-Huy Trinh, Hong Qin, Dimitris Samaras, Mahdi S. Hosseini
  CVPR 2025
- Towards a text-based quantitative and explainable histopathology image analysis
  Anh Tien Nguyen, Trinh Thi Le Vuong, Jin Tae Kwak
  MICCAI 2024 - Early acceptance, top 11%
- CAMP: Continuous and Adaptive Learning Model in Pathology
  Anh Tien Nguyen, Keunho Byeon, Kyungeun Kim, Boram Song, Seoung Wan Chae, Jin Tae Kwak
  Under review

- GPC: Generative and General Pathology Image Classifier
  Anh Tien Nguyen, Jin Tae Kwak
  MICCAI Workshop 2023 - Best Paper Honorable Mention Award

Research experiences

Korea University, South Korea 03/2023 - 02/2025

Research assistant

- Main research topics: computational pathology
- Projects:
  - An unified framework for pathology image classification
  - Text-based embeddings for pathology images

Concordia University, Canada - Stony Brook University, USA 04/2024 - present

Research intern *(remote)*

- Research topics: computational pathology
- Supervisor: Prof. Mahdi S. Hosseini and Prof. Dimitris Samaras
- Project: efficient 2D-scanning method for histology whole slide images

Teaching experience

Korea University, Korea 09/2024 - 12/2024

Teaching assistant - C programming language

Professional service

Reviewer

IEEE Transactions on Medical Imaging

Industry experience

Cloud Ace, Vietnam 10/2021 - 02/2023

Machine learning engineer

- Designed and deployed machine learning solutions on Google Cloud Platform.
- Taught machine learning courses on Google Cloud Platform.

Awards

MICCAI 2024 - LEOPARD Challenge 10/2024
Ranked 6th in the challenge of predicting biochemical recurrence of prostate cancer.

Korea University - Foreign Global Leader Scholarship 08/2024
Achieved a for excellent GPA, research projects, and publications.

Brain Korea 21 Scholarship 03/2024
Achieved a scholarship for excellent research projects and publications.

MICCAI 2023 - MedAGI Workshop 10/2023
Achieved *Best Paper Honorable Mention* Award.

References

- Dimitris Samaras
  SUNY Empire Innovation Professor, Department of Computer Science, Stony Brook University
  Email: samaras@cs.stonybrook.edu
- Mahdi S. Hosseini
  Assistance Professor, Department of Computer Science and Software Engineering, Concordia University
  Email: mahdi.hosseini@concordia.ca
- Jin Tae Kwak
  Associate Professor, School of Electrical Engineering, Korea University
  Email: jkwak@korea.ac.kr