Anh Tien Nguyen

Contact Information

Homepage: anhtienng.github.io
Email: ngtienanh@korea.ac.kr

Research Interests

My research interest is **deep learning in medical image analysis**, especially **computational histopathology**. My current research focuses on **whole slide image analysis**, such as cancer sub-typing, metastasis detection, and survival prediction.

Education

Korea University, South Korea — 03/2023 - present

M.S., Computer Engineering

- GPA: 4.38/4.5
- Supervised by Prof. Jin Tae Kwak
- Research area: computational pathology

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

B.E., Computer Engineering

- GPA: 9.26/10 - Rank 2
- Graduation classification: Excellent

Publications

- **Anh Tien Nguyen**, Trinh Thi Le Vuong, and Jin Tae Kwak
  Towards a text-based quantitative and explainable histopathology image analysis
  MICCAI 2024
  Early accept, top 11%
- **Anh Tien Nguyen** and Jin Tae Kwak
  CAMP: Continuous and Adaptive Learning Model in Pathology
  Journal - Under review, 2024
- **Anh Tien Nguyen** and Jin Tae Kwak
  GPC: Generative and General Pathology Image Classifier
  MICCAI-MedAGI 2023
  Best Paper Honorable Mention Award

Research experiences

Korea University, South Korea — 03/2023 - present

Research assistant

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

Olli Technology, Vietnam — 06/2020 - 09/2020

Research intern

- Researched and built a Text-to-Speech model to generate Vietnamese natural voice with fast inference speed.

Teaching experience

Korea University, Korea

Teaching assistant - C programming language

Industry experiences

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

KU Foreign Global Leader Scholarship — 08/2024
Achieved a for excellent GPA, research projects, and publications.

BK21 Scholarship — 03/2024
Achieved a scholarship for excellent research projects and publications.

KU Natural Science and Engineering scholarship — 03/2023 - 06/2024
Achieved a scholarship for excellent research projects and publications.

Honda Award — 03/2021
Achieved top 100 nationwide scholarship for Science and Technology students based on merit and research.

HCMC University of Technology scholarship — 08/2017 - 08/2021
Achieved scholarships for outstanding students who ranked 5% in a class.

FPT Digital Race — 10/2020
Ranked 3^{rd} by designing and deploying an autonomous vehicle control system.

Certifications

Google Cloud Authorized Trainer — 03/2022
Authorized to teach the track of data and machine learning.

Coursera Deep Learning Specialization — 03/2020
Finished a foundation course on deep learning.

Skills

Programming: Python, PyTorch

English: IELTS 7.5

References

- Assoc Prof. Jin Tae Kwak
  School of Electrical Engineering, Korea University
  Email: jkwak@korea.ac.kr
- Assoc Prof. Tho Thanh Quan
  Acting Dean, Faculty of Computer Science and Engineering, HCMC University of Technology
  Email: qttho@hcmut.edu.vn