Anh Tien Nguyen

CONTACT INFORMATION

Homepage: anhtienng.github.io
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RESEARCH INTERESTS

My research interest is **deep learning in medical image analysis**, especially **computational histopathology**. My current projects focus on **weakly supervised WSIs classification**. My previous works were patch-level problems, including cancer grading, tissue phenotyping, and cancer subtyping.

EDUCATION

Korea University, South Korea — 03/2023 - Present

M.S., Electrical Engineering

- CPA: 4.33/4.5
- Supervised by Prof. Jin Tae Kwak

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
- Thesis: Physical Transferable Attack against Black-box Face Recognition Systems

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

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.

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

Machine learning researcher

- Researched and built a Text-to-Speech model to generate Vietnamese natural voice with fast inference speed.
- Deployed a mobile version of machine learning models running on low-spec smartphones.

Google Developer Student Club, Vietnam 11/2019 - 09/2020

Machine learning organizer

- Presented and organized machine learning workshops for university students.

Awards

BK21FOUR KU-GAG Scholarship 03/2024
Achieved a scholarship for excellent research projects and publications.

Korea University scholarship 03/2023 - 03/2024
Achieved a Natural Science and Engineering 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

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