ANH TIEN NGUYEN

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EDUCATION

Master — **Korea University, School of Electrical Engineering** — **Mar 2023 - Present**

- **Major**: Computer Engineering
- **Research interests:** Medical image analysis, Computational pathology
- **GPA**: 4.33/4.5
- **Publication**: "*GPC: Generative and general pathology image classifier*" [1]

Bachelor — **Ho Chi Minh University of Technology, Faculty of Computer Science and Computer Engineering** — **Sep 2017 – Nov 2021**

- **Major**: Computer Engineering
- **Graduation classification**: Excellent
- **GPA**: 9.26/10 - **Rank 2**
- **Thesis**: "*Physical Transferable Attack against Black-box Face Recognition Systems*" [2]

PUBLICATIONS

[1] **Nguyen, A.T**., Kwak, J.T. (2023). GPC: Generative and General Pathology Image Classifier. Medical Image Computing and Computer Assisted Intervention (MICCAI) 2023 Workshops. https://doi.org/10.1007/978-3-031-47401-9_20

[2] D. M. Nguyen, **A. T. Nguyen**, H. M. Tran, N. T. Le and T. T. Quan, "Physical Transferable Attack against Black-box Face Recognition Systems," 2021 International Conference on Multimedia Analysis and Pattern Recognition (MAPR). https://doi.org/10.1109/MAPR53640.2021.9585256

Under review:

(1) **Nguyen, A.T**., Kwak, J.T. (2024). CAMP: Classify Anything Model in Pathology.

(2) **Nguyen, A.T**., Kwak, J.T. (2024). Towards a text-based quantitative and explainable histopathology image analysis.

PROFESSIONAL EXPERIENCES

Oct 2021 - Present — **Cloud Ace**, *Data Engineer*

- Built Machine Learning systems in the Google Cloud with CI/CD/CT optimization.
- Designed and implemented data solutions on Google Cloud: data migration, data warehouse, smart data analytics with Machine Learning

Jun 2020 - Sep 2020 — **Olli Technology**, *Machine Learning Researcher*

- Built a Text-to-Speech model to generate Vietnamese natural voice with fast inference speed.
- Developed a TensorFlow Lite version for the above model, integrated on low-spec smartphones.

Nov 2019 - Sep 2020 — **Google Developer Student Club**, *Machine Learning team member*

- Organized Machine Learning workshops.
- Hosted events to connect Machine Learning specialists with the university student community.

Awards and Scholarships

- *BK21FOUR KU-GAG(Global Association of Graduate Studies) Scholarship (2024)*
  Achieved a scholarship for excellent research projects and publications.

- *Korea University merit-based graduate student scholarship (2023-2024)*
  Achieved scholarships for excellent research results and a high GPA.

- *HCMUC University of Technology merit-based outstanding student scholarship* (2017 – 2021)
  Achieved scholarships for outstanding students who ranked 5% in a class.

- *Honda Award for Science and Technology students* (2021)
  Achieved Top 100 nationwide for Science and Technology students.

- *3rd Prize in FPT Digital Race* (2020)
  Designed and built an autonomous vehicle control system to run on the map and follow the traffic rules.

- *First Prize in Metropolitan Physical Competition (2017)*
  Achieved a top-rank points in the physical competition for high-school students in Ho Chi Minh City.

Certifications

- Google Cloud Authorized Trainer
- Coursera Deep Learning Specialization

Skills

- Programming: *Python, PyTorch*
- English: *IELTS 7.5*

References

- Assoc Prof. Kwak Jin Tae
  School of Electrical Engineering, Faculty of Computer Engineering, Korea University
  Email: *jkwak@korea.ac.kr*
  Tel: *+82. 2 3290 3241*

- Assoc Prof. Quan Thanh Tho
  Vice Dean, Faculty of Computer Science and Engineering, HCMC University of Technology
  Email: *qttho@hcmut.edu.vn*
  Tel: *+84.919 890 203*

- Assoc Prof. Tran Ngoc Thinh
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  Tel: *+84.8 3864 7256*