

Viet-Long Nguyen

Graduate student in Biomedical Engineering

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🐙 Github | 🖥 Homepage

PERSONAL STATEMENT

I am a highly self-motivated young student with a burning desire. My research interests include Data Science, AI and their amazing applications in various fields, especially Smart Health.

EDUCATION

Hanoi University of Science and Technology (HUST) Hanoi, Vietnam
School of Electrical and Electronic Engineering
Bachelor of Biomedical Engineering – Advanced Program trained in English *9/2019 – 8/2023*

- CPA: 3.46/4.0
- Graduation Thesis: “A semi-supervised learning approach for counting blood cells using attention-based YOLOv7” with an absolute score of 10/10

RESEARCH/WORK EXPERIENCE

Research Assistant *6/2021 – Present*
Biosignal and Biomedical Image Analysis Lab, HUST Hanoi, Vietnam
Advisor: Nguyen Viet Dung, PhD – HUST
Work briefing: applying AI and Data Analyzing & Processing in Biomedical Image, organizing training courses and seminars weekly for junior members.

Artificial Intelligence Intern *2/2023 – 4/2023*
Samsung Display Vietnam CO., LTD Bac Ninh, Vietnam
Work briefing: data labeling & preparation and training model for detecting errors, quality control inspection of production lines.

PUBLICATIONS

1. Viet Dung Nguyen, Duy Hoang Ho, **Viet Long Nguyen** and Ngoc Dung Bui, "Modified YOLOv5 for Blood Cell Counting," 2022 RIVF International Conference on Computing and Communication Technologies (RIVF), Ho Chi Minh City, Vietnam, 2022, pp. 83-87. [Link](#)
2. Kien Nguyen Phan, **Viet Long Nguyen**, Ngoc Doan Thi Anh, Phuong Do Thi Minh, Hanh Nguyen Hong, Trang Nguyen Thi Minh, Hien Pham Thu, Binh Doan Thanh, Cuong Nguyen Manh, Vu Tran Anh, “Evaluation System For Straight Punch Training: A Preliminary Study” 2023 International Conference on Intelligent Systems & Networks (ICISN), Hanoi, Vietnam 3-2023 [Link](#)

CONFERENCES AND COURSES ATTENDED

- Speaker in International Conference on Intelligent Systems & Networks, [ICISN](#), Hanoi, Vietnam, **2023**
- Speaker in International Conference on Computing and Communication Technologies, [RIVE](#), Ho Chi Minh City, Vietnam, **2022**
- AI for Medical Diagnosis - Coursera [Cert](#) **2022**
- Machine Learning, Deep Learning in Python, OOP In Python – Datacamp **2021**

ACHIEVEMENTS & HONORS AND EXTRACURRICULAR ACTIVITIES

- **POSCO Asia Fellowship 2024** **2023**
One of the 50 Asian students granted a full scholarship to complete graduate programs at some of the most prestigious Korean universities and institutions in Korea
- **Fully-funded Masters Scholarship** **2023**
Computer Engineering major at Memorial University of Newfoundland, Canada
- **Participant in 6th International Summer School at Duy Tan University** **2023**
One of the 44 selected students from many universities in Vietnam
- **Participant in 40th Student Scientific Research Conference at HUST** with **2023**
“A Semi-Supervised Learning Approach For Blood Cell Detection Using Attention-Based YOLOv7” project
- **Participant in 39th Student Scientific Research Conference at HUST** with **2022**
“A deep learning-based field employee monitoring and management system” project
- **Academic excellence scholarship** for students with the highest semester GPA from HUST **2021**
- **Award certificate from the University’s President** for students with excellent academic results and great contributions to Youth Activities **2021**
- Committee member of the Students' Association at HUST **2020**
- Head of External Affairs Department of the Advanced Programs Volunteer Club **2020**

SKILLS

Programming Languages: C++, C#, Python

Libraries & tools: PyTorch, TensorFlow, Scikit-learn, Streamlit

Research:

- ML/DL (Computer Vision), Data Analysis
- Experienced in using Linux/Ubuntu, Bash, Git, Github

Languages: Vietnamese: Native | English: 6.5 **IELTS**

Others: Microsoft Office, Latex, Problem Solving, Critical Thinking and Analysis

REFERENCES

Viet Dung Nguyen, Ph.D

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