

# Viet-Long Nguyen

Graduate student in Biomedical Engineering

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🐙 Github | 🌐 Homepage

## PERSONAL STATEMENT

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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

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**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

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**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

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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

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- 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

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- **Fully-funded Masters Scholarship in Canada** 2023  
Computer Engineering major at Memorial University of Newfoundland
- **Participant in 6<sup>th</sup> International Summer School at Duy Tan University** 2023  
One of the 44 selected students from many universities in Vietnam
- **Participant in 40<sup>th</sup> Student Scientific Research Conference at HUST** with 2023  
“A Semi-Supervised Learning Approach For Blood Cell Detection Using Attention-Based YOLOv7” project
- **Participant in 39<sup>th</sup> 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 2021  
the highest semester CPA from HUST
- **Award certificate from the University’s President** for students 2021  
with excellent academic results and great contributions to Youth Activities
- Committee member of the The Students' Association at HUST 2020
- Head of External Affairs Department of the Advanced Programs Volunteer Club 2020
- Certificate of excellent completion of major volunteering programs: 2020  
Green Summer, Volunteer Spring

## SKILLS

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**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

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**Viet Dung Nguyen, Ph.D**

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School of Electrical and Electronic Engineering  
Hanoi University of Science and Technology  
Hanoi, Vietnam

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