

# Viet-Long Nguyen

Final-year 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 strong perseverance. 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

Faculty of Electronics & Telecommunications

Bachelor of Biomedical Engineering – Advanced Program trained in English

*Sep 2019 – Present*

GPA: 3.38/4.0

## RESEARCH/WORK EXPERIENCE

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**Research Assistant**

*June 2021 – Present*

**Biosignal and Biomedical Image Analysis Lab, HUST**

Advisor: Nguyen Viet Dung, PhD – HUST

Work briefing: applying AI and Data Analyzing & Processing in Biomedical Image, organize training course and seminar weekly for junior member.

**Artificial Intelligence Intern**

*Feb – April 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, **Long Nguyen Viet**, 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 (Accepted) [Link](#)

## CONFERENCES AND COURSES ATTENDED

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- Speaker in International Conference on Intelligent Systems & Networks, [ICISN](#), **2023**  
Hanoi, Vietnam

- Speaker in International Conference on Computing and Communication Technologies **2022**  
[RIVE](#), Ho Chi Minh City, Vietnam.
- AI for Medical Diagnosis - Coursera [Cert](#) **2022**
- Machine Learning, Deep Learning in Python, OOP In Python – Datacamp **2021**
- Data Structures and Algorithms Specialization – Coursera **Jan 2023 - Present**

## **HONORS & AWARDS AND EXTRACURRICULAR ACTIVITIES**

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- **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
- **Award certificate “Student with Five Good Merits”** **2021**  
by Vietnamese Students’ Association  
Good Morals; Good Learning; Good Physical Strength;  
Good Voluntary; Good Integration
- Officer of the Student Union of Hanoi University of Science and Technology **2020**
- Certificate of excellent completion of major volunteer programs:  
Green Summer, Volunteer Spring,
- Head of External Affairs Department of the Advanced Programs Volunteer Club **2020**  
- Connecting team members and interacting with other Volunteer Clubs  
- Looking for fund-raising activities to support the club

## **SKILLS**

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**Programming Languages:** C++, C#, Python

**Libraries & tools:** PyTorch, TensorFlow, Keras, Scikit-learn, SQL, 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**

Deputy Head of Department of Electronics  
School of Electrical and Electronic Engineering  
Hanoi University of Science and Technology  
Hanoi, Vietnam

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