

# Phung Hung Binh

Ho Chi Minh City, Vietnam | [LinkedIn](#) | [Github](#) | +84 365668703 | [Phunghungbinh.work@gmail.com](mailto:Phunghungbinh.work@gmail.com)

## EDUCATION

### HCMC University of Technology and Education

Thu Duc, Ho Chi Minh city

Control and Automation Engineering (GPA: 3.15/4.0)

09,2021

- University honor student Award in 2020-2021.
- Recipient of University Encourage Scholarships for top 10 highest GPA 2019-2021.
- Data Science Project: A High-Performance Nonlinear Neural Network on Speech Recognition module.
- Capstone Project: Designed and Operated six Degree of Freedoms Robotics model using speech command.

## PROFESSIONAL EXPERIENCE

### HCMC University of Technology and Education

Thu Duc, Ho Chi Minh city

Teaching Fellow for several courses

May 2019 - present

- Prepare syllabus and created course materials.
- Designed course lectures, maintained correspondence with under-graduate students.
- Organized Academic Competition: "Robot Fights 2020" for the University's students.

### HCMUTE's Robotics Research Laboratory

HCMUTE, Ho Chi Minh city

Senior Research Assistant

May 2020 - present

- Create and maintain Robotics GUI using Python Programming for Controlling Robot model used.
- Prepare presentations, manuscripts, abstracts, and co-author for publication.
- Perform technical duties for theoretical studies in the field of Robotics Framework and standard Neural Network Modelling.

### DAT DO's services and Commercial, LLC

Binh Duong Province, Viet Nam

Associate – Mechanical Engineering

May 2020 - present

- Measure dimensions of finished workpieces to ensure conformance to specifications, using precision measuring instruments, templates and fixtures.
- Maintain safe operations by adhering to safety procedures and regulations.
- Utilized CNC machinery to manufacture custom drill bits for wide variety of applications.

## SKILLS & INTERESTS

### Technical Skills:

- Having experience with programming languages/frameworks: **Python**, Pandas, pyqt5, **Matlab**, and general object-oriented programming skill in python.
- Familiarity with **Qt Framework**: GUI Designed for Robotics Modelling and Simulation program.
- Hand on experience with version control such as Git, Github.
- Having experience in container technologies(**Docker**), **linux OS**(Ubuntu, Debian and ROS).
- Proficiency with CAD: **Solidworks**.
- Ability to developing new machine learning algorithms
- Understanding and application of standard principles, theories, concepts and techniques in **Robotics**.
- Experience implementing algorithms from research papers.

**Personal Interests:** Avid reader, gymnastics, volunteering

## CERTIFICATIONS

- Assistance to AIESEC youth-run organization to develop **Gender Equality** Project. August 2021 – Oct 2021
- Certificate of Formal Presenter of virtual conference ICSSE 2021. August 26-28, 2021
- Scientific Computing with Python Verified by FreeCodeCamp.org September 01, 2021
- Completed Fundamental skill in Python Program Certified by HackerRank. September 13, 2021
- Completed Digital Body Language Certified by LinkedIn Learning September 09, 2021
- completed the EF SET Certificate and has achieved C2 Proficient English level. September 27, 2021

## **PUBLICATIONS**

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**Neural Network Research: P. H. Binh,** P. V. Hoang and D. X. Ba, "A High-Performance Speech-Recognition Method Based on a Nonlinear Neural Network,"

**Abstract:** 2021 International Conference on System Science and Engineering (ICSSE), 2021, pp. 96-100, doi: 10.1109/ICSSE52999.2021.9537942.

## **COMMUNITY SERVICE**

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**Gender Equality project by AIESEC organization at Ho Chi Minh City, Viet Nam:** Contribute to project by being a Global Volunteer, Assisted in Viet Nam team of AIESEC.