NGUYEN VAN BINH

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Education

NATIONAL UNIVERSITY OF SINGAPORE | 2020 – PRESENT
Major: Computer Engineering | Minor: Management | Current CAP: 4.75

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY | 2019 – 2020
Major: Advanced Program in Data Science and Artificial Intelligence

PHAN BOI CHAU HIGH SCHOOL FOR THE GIFTED | 2016 - 2019
Major: Physics

Skills

Programming Languages
Python, C/C++, Java

Hardware
FGA programming (Verilog), RaspberryPi

Web Programming
Django, HTML/CSS/JavaScript, VueJS

AI/Machine Learning
TensorFlow, Keras

Projects

ActiveNUS
- Web-based application promotes time management techniques and study methods
- Tech stack: Django, VueJS, HTML/CSS/JavaScript, Ajax, PostgreSQL

Alex
- Tele-operated vehicle with search and rescue functions
- Tech stack: RaspberryPi, Arduino Uno, Lidar, ROS

mBot
- Autonomous robot that can solve a maze, detect, and process data from the environment
- Tech stack: Arduino Uno

FPGA Project
- Sight and Sound Entertainment system
- Tech stack: Verilog, Digilent Basys 3 Board

Academic Awards

European Physics Olympiad
Bronze Medal | 6/2019

National Excellent Student Competion
Second Prize in Physics | 1/2019

Hanoi University of Science and Technology
Talent Scholarship | 9/2019

Hoa Trang Nguyen Awards Commitee
Hoa Trang Nguyen Award | 10/2019

Non - Academic Achievement

Champions – National AWS DeepRacer League
Deep Learning contest held by Amazon Web Services | 12/2019

Experiences

Teaching Assstant - National University of Singapore
Data Structure and Algorithms (CS2040C) | 8/2021 – 12/2021

Research Assistant - Edison Experimental Physics Laboratory
Design & test experimental Physics models, teach Physics Olympiad teams | 2019 – 2020

Activities

Phan Debate Club
President | 8/2017 – 8/2018

Phan Boi Chau High School for the Gifted
Class President | 9/2017 – 6/2018