**BUI PHUONG NAM**

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**EDUCATION**

**National University of Singapore 8/2021 – Present**

**Bachelor of Engineering**

* Major: Computer Engineering - Minor: Data Analytics
  + Expected graduation: 2025
* Modules: Data Structures & Algorithms, Object-Oriented Programming, Hardware Programming, Digital Design, Discrete Structures

**SKILLS**

* Programing Language:
  + Experienced: C, C++, Python, Java
  + Have used: JavaScript, HTML, Arduino, Verilog
* Spoken Language: Vietnamese (native), English (proficient)
* Technical skills:
  + Understand foundational Data Struttures & Algorithms,
  + Hardware Design skills
  + Apply foundational knowledge in solving Data Analytics problem.
  + Understanding Machine Learning theoretical knowledge.
* Other skills: Problem solving, teamwork

**EXPERIENCE**

**HADTech JSC, Machine Learning Intern** **3/2021 – 6/2021**

* Researching about Machine Learning, and conduct presentations on weekly seminars.
* Joining the project named "Edunet" to develop educational software and apps.

**Dang Phong Trading and Technology JSC, Web Development Intern** **7/2020 - 8/2020**

* Learned and practiced web design, and used drag and drop builder theme.
* Experienced function demo and content update on the company's website.

**Technological Application and Production One Member Limited Liability Company**, **Intern**

**5/2020- 6/2020**

* Learned deep learning’s definition, architectures, analyzing the application of machine learning in the app: “Foody”.

**PROJECTS**

**Arsdorint Chatbot (iP) 1/2023 – Present**

* An adaptation of NUS Module CS2113 (Software Engineering & Object-Oriented Programming) chatbot Duke, to help user manage their tasks via several commands such as "list", "todo", "deadline", "event", etc.
* Programming in Java, applying OOP, and the product (for now) is .jar file.

**Arsdorint Video Editor App 5/2020 - Present**

* A future video editor app I am currently developing, with 4 main functions, “Cut”, “Split”, “Join”, and mixing “Audio”.
* Using ffmpeg as source code.

**Alex To The Rescue (Group Project) 2/2022 – 4/2022**

* My group project of the NUS Module CG2111A (Engineering Principles and Practice II), to build a robotic vehicle (Alex) for search and rescue operation purposes.
* Applying motors, embedded controllers via Raspberry Pi, power bank, chassis, and RP Lidar, along with color sensor via IR sensor, LED, bare-metal programming via Arduino.

**The A-Maze-ing Race (Group Project) 10/2021 – 11/2021**

* My group project of the NUS Module CG1111A (Engineering Principles and Practice I), building a self-driving robot vehicle (mBot) with turning function via light, sound detection to solve a maze.
* Building using IR sensors, LED, electrical circuit, power bank, PID (Proportional, Integral, Derivative) Controller available in the Arduino Library.

**ADDITIONAL INFORMATION**

**Volunteer:** Teaching English speaking skills for students in Ban Lien Primary and Secondary School, a school located in a remote area with lacks of transportation access and lots of people live in poverty (11/2020 to 4/2021)

**Co-curriculum Activities:**

* Current member of NUS Recreational Football Team from academic year 2021-2022.
* Current member of NUS Recreational Badminton Club from academic year 2021-2022.