

Quang Ngoc Pham

Electrical Engineering Student

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KEY SKILLS

PROGRAMMING LANGUAGES: Python, C, C++, HTML, CSS, Matlab, Arduino

HARDWARE LANGUAGES: Verilog, ARM Assembly

FRAMEWORKS & TOOLS: Git, ModelSim, Quartus II, Intel Monitor Program, Bootstrap 4, Microsoft Office

TECHNIQUE: Bread-boarding, data-analysis, basic equipment knowledge (Oscilloscope, multimeter, etc.)

PERSONAL PROJECTS AND ACTIVITIES

DISCORD COMMAND BOT

November, 2019 – Present

- Developed a Discord chatroom command bot using Python 3.6.9
- Utilized API integration to ensure seamless functioning and interaction between applications
- The bot's purpose is to stream music from YouTube videos and do Wolfram Alpha queries so online group work can be faster and enjoyable

REMOTE CONTROLLED (RC) CAR

November, 2019 – January, 2020

- Designed a RC Car from scratch with friends using Arduino kit, motor, wheel and styrofoam as first-hand experience
- Later on, built another RC Car but with tool-kit equipment for higher quality

PERSONAL WEBSITE

December, 2019 – Present

- Developed my own personal website with HTML and CSS
- The website helps showcase my other projects which are not listed here

EXPERIENCE

IN-CLASS TEAM PROJECTS

September, 2018 – April, 2019

- Led, designed and analyzed a variety of projects, including engineering assistive device for disabled people and metal claw designs, before giving presentations about them

PEER TUTOR

September, 2017 – March, 2018

- Volunteered to do peer-tutor on Mathematics for classmates and students in lower-grades in Brookes Shawnigan Lake (high school)

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

September, 2018 – May, 2023

Candidate for Bachelor of Applied Sciences, Electrical Engineering

Vancouver, BC

INTERESTS AND HOBBIES

- Algorithms & Data structures
- Embedded systems
- Computer games, soccer, badminton