

# Quang Ngoc (Anthony) Pham

*Electrical Engineering Student*

Address: 2205 Lower Mall, Vancouver, BC

Phone: (778) 751 - 3968

Email: [anthonie3o4@gmail.com](mailto:anthonie3o4@gmail.com)

Personal Website: [anthon1e.github.io](http://anthon1e.github.io)

LinkedIn: [linkedin.com/in/anthon1e](https://www.linkedin.com/in/anthon1e)

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## TECHNICAL SKILLS

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**PROGRAMMING:** Python, C, C++, HTML, CSS, Matlab, Arduino, ARM Assembly, Verilog (HDL)

**FRAMEWORKS:** Git, Linux, ModelSim, Quartus, Altera Monitor Program, Solidworks, Microsoft Office

**LAB TECHNIQUES:** Bread-boarding, soldering, basic equipment knowledge (Oscilloscope, multimeter, etc.)

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## PERSONAL PROJECTS AND ACTIVITIES

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### DISCORD COMMAND BOT, Personal Project

*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 and query Wolfram Alpha in order to make online group work faster and more enjoyable

### PERSONAL WEBSITE

*December, 2019 – Present*

[anthon1e.github.io](http://anthon1e.github.io)

- Developed personal website with HTML and CSS, to showcase my background and projects

### REMOTE CONTROLLED (RC) CAR, Personal Project

*December, 2019 – January, 2020*

- Designed a RC Car from scratch with friends using an Arduino kit, motors, wheels and styrofoam to gain first-hand experience
- Built a Line Follower Car but with tool-kit equipment for higher quality, also coded in Arduino

### SIMPLE RISC MACHINE, UBC

*September, 2019 – November, 2019*

- Built with a partner over the span of 6 weeks
- Implemented the hardware design with Verilog, tested using ModelSim and synthesized it with Quartus
- Gained deep and tacit understanding of Microcomputers and Digital System Design

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## EXPERIENCE

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### BROOKES SHAWNIGAN LAKE HIGH SCHOOL

*September, 2017 – March, 2018*

- Volunteer Peer Tutor
- Community Center Support Volunteer

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## EDUCATION

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### UNIVERSITY OF BRITISH COLUMBIA

*September, 2018 – May, 2023*

*Candidate for Bachelor of Applied Sciences, Electrical Engineering*

*Vancouver, BC*

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## INTERESTS AND HOBBIES

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- Algorithms & Data structures
- Embedded systems
- Soccer, badminton, video games