

# Alex Vazquez

Public Resume

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## EDUCATION

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- **The University of British Columbia** Vancouver, CA  
*Bachelor of Electrical and Computer Engineering;* *Currently*
- **Perimeter Institute of Theoretical Physics** Waterloo, CA  
*Quantum World and Quantum Nature Certification;* *Completed*
- **West Vancouver Secondary School** West Vancouver, CA  
*Completion of the International baccalaureate;* *Completed*

## EXPERIENCE

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- **Microsoft.** Redmond, WA  
*ODSP Software Engineer(Explore)* *2019*
- **INETCO Systems ltd.** Burnaby, CA  
*DevOps Intern* *2018*
- **UBC Orbit.** UBC, CA  
*Senior Controls Engineer* *2017 - Present*
- **Bowman Technologies.** Vancouver, CA  
*Software Engineering Intern* *2016*

## PROJECTS

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- **Alexvazquez.xyz:** Personal Online Portfolio to provide employers a more in-depth interactive CV .
- **Motorcycle Re-do:** Rewired and updated an 1985 bike to function with a new battery, sensors and digital displays.
- **Speedclockmeter:** Turned a digital speedometer into a alarm that connects to your cellphone using a RaspberryPi.
- **Raspberry Pi Cluster:** Using RaspberryPi's built a cluster in order to host my website and store data.

## TECHNICAL SKILLS

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- **Programming:** C, C++, Python, HTML5 + CSS3, MatLab, SQL, Verilog, L<sup>A</sup>T<sub>E</sub>X
- **Software:** Matlab + Simulink, Solidworks, Altium, ANSYS, Quartus, STKAgI, ModelSim
- **Hardware:** Arduino , Raspberry Pi, STM32, Adafruit IMU's
- **Methodologies:** Agile, Waterfall

## AWARDS

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- **UBC Physics Olympics** UBC, CA  
*1st place overall in the UBC high school physics olympics.*
- **International Baccalaureate** West Vancouver, CA  
*Award and certificate for Completion of IB Curriculum*

## VOLUNTEERING AND ACTIVITIES

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- **UBC Physics Olympics** UBC, CA  
*Planner and grader of the UBC Physics Olympics* *April. 2018 & 2019.*
- **NW Hacks** UBC, CA  
*Creation of a network connectivity monitor to determine the availability of study spaces in a building* *Jan. 2019*
- **LumoHacks** UBC, CA  
*Developed a PTSD online therapist platform* *Nov. 2018*