

# Michael Wong

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## Technical skills

- **Theoretical knowledge:** Data structures, complexity analyses, and advance algorithm design
- **Languages:** Python, C++, Java, XML, LaTeX, and R
- **Technologies:** Microsoft Visual Studio, IntelliJ, CLion, PyCharm, GitHub, and CMD

## Transferable skills

- Ability to work effectively with colleagues from different disciplinary backgrounds
- Presented and explained my ideas and projects to large audiences
- Highly driven and have persistent work ethic to achieve long-term goals

## Education

**4<sup>th</sup> Year BSc. | University of British Columbia, Vancouver, BC**

2014 - present

- Combined Major in Computer Science, Microbiology, and Chemistry
- Expected Graduation Date: May 2019

## Personal projects

**Games: Space invader, Tic tac toe**

2017

- Designed and built **Tic tac toe** in **C++** with display on CMD
- Constructed **Space invader** with **Python** utilizing the turtle library

## Projects

**The Effects of Temperature on the Oxygen Production of *Chlamydomonas reinhardtii***

2018

- Carried out **extensive literature research** for research proposal and journal article
- Kept meticulous data and observations organized in a lab notebook
- Scientific paper to be published in the UBC's **The Expedition**

**Global AI Hackathon 2017**

2017

- Designed and built a program with **Python** that detects jokes from sentence data with machine learning
- Responsible for data collection and data manipulation in preparation of supervised learning

**Identification of synthetic lethality partners (Research Experience Program)**

2017 - 2018

- Applied molecular biology techniques to experimental design
- Utilized **R** to generate hypothetical data and graph
- Presented the poster at the 2018 Multidisciplinary Undergraduate Research Conference

**Lumohacks 2016**

2016

- Cooperated in a group to design an application in **Java** that relates different medical conditions
- Designed the structure and wrote test cases to ensure the correctness of the program

**Train station timetable and GPS tracking app**

2015

- Completed an app using **Java** to display the train system in London
- Implemented a map with tube lines, stations, and user location
- Optimized selectable stations to show connected tube lines and arrival times

## Work Experience

**Deli Clerk, Safeway**

2013 - 2014

- Communicated with customers clearly to resolve queries
- Sustained positive relationships with coworkers to increase productivity
- Remained calm and collected under a dynamic work environment

## Extracurricular activities

**Noons Creek Hatchery**

2007 - 2014, 2017 - present

- Maintained proper conditions for salmon survival at various life stages
- Analyzed water samples in the laboratory for different parameters