

# Brian Pho

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(403) 273-9895 | [brianpho7@gmail.com](mailto:brianpho7@gmail.com) | [www.linkedin.com/in/brian-pho/](http://www.linkedin.com/in/brian-pho/) | <https://github.com/Brian-Pho>

## Education

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### BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING | SEP 2015 - APR 2019

- University of Calgary
- Cumulative GPA: 3.63/4.0
- **Relevant and completed courses**
  - Data Structures and Algorithms (searching and sorting, stacks, BST, hash table, heap)
  - Operating Systems (processes, threads, mutex, deadlocks, virtual memory)
  - Data Base Management Systems (entity-relationship diagrams, relational model, SQL)
- **Current courses**
  - Computer Networks (communication protocols, packet switching, TCP/IP)
  - Neuro-Fuzzy and Soft Computing (neural networks, backpropagation algorithm, fuzzy logic)

## Technical Skills

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- **Computer Languages:** Java (proficient), C/C++ (familiar), HTML + CSS (experience)
- **Tools and Applications:** IntelliJ IDEA, Android Studio, Adobe Illustrator, Git

## Projects

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### PERSONAL WEBSITE | [HTTPS://BRIAN-PHO.GITHUB.IO](https://brian-pho.github.io)

- Developed a website from scratch to showcase past projects and to learn HTML and CSS
- Demonstrated self-learning, curiosity, and dedication to a personal project

### PUBLIC LIBRARY APP | [HTTPS://GITHUB.COM/BRIAN-PHO/LIBRARY-APP](https://github.com/Brian-Pho/Library-App)

- Collaborated and coordinated a group project to apply database concepts to a real-life scenario
- Built an Android app that accesses a library database allowing users to hold, renew, check out books

### AIRLINES REGISTRATION | [HTTPS://GITHUB.COM/SADAT21/AIRLINESREGISTRATIONSYSTEM](https://github.com/SADAT21/AIRLINESREGISTRATIONSYSTEM)

- Collaborated in a group project to gain experience designing and developing a large software program
- Built a Java program that accesses an airlines database allowing users to book, search, cancel flights

## Experience

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### COMPETITIVE PROGRAMMING CLUB | UNIVERSITY OF CALGARY | SEP 2016 – APR 2017

- Attended workshops and meetings on source control, dynamic programming, and mathematics
- Participated in programming contests such as the 2016 ACPC, 2017 CCPC, and 2017 ACPC

### INSTRUCTIONAL ASSISTANT | KUMON | NOV 2013 - PRESENT

- Tutored students in math and English comprehension to clarify and explain concepts
- Marked students' math homework from arithmetic to calculus to help them learn from their mistakes
- Searched for logical errors and attention to detail errors in students' work like finding bugs in code

## Interests

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- **Artificial Intelligence:** Passionate to build intelligent machines to help humanity and study the brain
- **Philosophy:** Member of philosophy club where we discuss why we exist, what is truth, etc.