

# Brian Pho

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## Education

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### **BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING | SEPTEMBER 2015 - APRIL 2019**

- University of Calgary
- Cumulative GPA: 3.6/4.0
- **Relevant courses**
  - Data Structures, Algorithms, and Their Applications (Searching and sorting, AVL trees, graphs)
  - Principles of Operating Systems (Processes, concurrency, deadlocks, paging)
  - Data Base Management Systems (Relational model, SQL, functional dependencies)

## Technical Skills

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- **Computer Languages:** Java, C, C++, LaTeX, HTML, CSS, MIPS-32
- **Operating Systems:** Microsoft Windows 7/10, Mac OS X, Linux (Mint)
- **Tools and Applications:** Microsoft Office 365, IntelliJ IDEA, Android Studio, Adobe Illustrator CS6, Git, mySQL Workbench

## Experience

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

- 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
- Taught 40+ students math and English comprehension to clarify and explain concepts

### **PROBLEM SOLVING CLUB | SEP 2016 – PRESENT**

- Solved 2-3 programming problems weekly on Kattis
- Attended workshops and meetings on source control, dynamic programming, and mathematics
- Participated in programming contests such as the 2016 ACPC and 2017 CCPC

## Projects

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### **PERSONAL WEBSITE | JULY 2017 | [HTTPS://GITHUB.COM/BRIAN-PHO/BRIAN-PHO.GITHUB.IO](https://github.com/Brian-Pho/Brian-Pho.github.io)**

- Developed a website to showcase past projects and to learn HTML and CSS
- Link: <https://brian-pho.github.io>

### **LIBRARY APP | JUNE 2017 | [HTTPS://GITHUB.COM/BRIAN-PHO/LIBRARY-APP](https://github.com/Brian-Pho/Library-App)**

- Cooperated in a group of three to make an Android app that accesses a library mySQL database
- Able to place books on hold, search for books, and search for library branch locations

## Interests

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- **Artificial Intelligence:** Passionate to build intelligent machines to solve complex problems
- **Philosophy:** Discusses the big questions like why we exist, what is truth, and problems in logic