

# Bruce Hong

**Computer Science & Business Administration Double Degree – 1B**

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## Summary of Qualifications

- Proficient in **C++**, **HTML/CSS** and **Racket**
- Working knowledge of **C** and **Java**
- Fundamental understanding of **Python**, **JavaScript**, **SQL**, **C#**, **Unity** and **Blender**
- Working knowledge of **Android Studio**
- Familiar with graph theory, dynamic programming, data structures and object-orient programming concepts
- Exemplary **communication** and **teamwork skills** demonstrated as Director of Communications
- Strong **problem-solving** and **attention to detail** developed from contest-coding and past work/volunteer experience
- **Resourcefulness** and **initiative** demonstrated through self-taught languages and algorithms

## Work & Volunteer Experience

30/06/2016 – 15/04/2017

### **Bartender / Bubble Republic**

- Mixed/served drinks, handled customer complaints and inquiries, tracked and managed inventory levels

03/08/2015 – 28/08/2015

### **Intern / TakingITGlobal**

- Managed the Global Youth Action Network backend – responsible for approval or rejection of applicant organizations based on their alignment with network objectives
- Research and database compilation for Explore150 – an initiative to promote Canada's 150<sup>th</sup> anniversary
- Organized a promotional event for Explore150 and produced digital advertisements for the event

08/10/2014 – 05/05/2017

### **Director of Communications & Financial Operations / Mississauga Youth Film Festival**

- Facilitated communication between directors and sponsors (City of Mississauga, REBEL, United Way)
- Recruited new sponsor organizations (Living Arts Centre) which reduced operation costs to nearly zero

## Education

09/2017 – PRESENT

### **Candidate for Bachelor of Computer Science (BCS) / University of Waterloo**

WATERLOO, ON

09/2017 – PRESENT

### **Candidate for Bachelor of Business Administration (BBA) / Wilfrid Laurier University**

WATERLOO, ON

## Personal Projects

### **Minigames App (Ongoing)**

- Android app made up of a collection of classic and original mini-games
- Coordinating with another developer to develop games using **Java** and **XML** in **Android Studio**

### **Pokémon Web Game (Ongoing)**

- Multiplayer browser-based Pokémon game which allows players to explore maps, battle and catch Pokémon
- Role of BA and full-stack developer – allocating resources and developing in **HTML/CSS** and **JavaScript**
- Coordinating with other developers to establish proper communication between frontend and backend

### **Text Games (12/2017-01/2018)**

- A suite of text-based mini-games such as Snakes & Ladders and Hangman from scratch using **C++**

## Awards & Achievements

- 1<sup>st</sup> Place Jaguars' Badminton Invitational Tournament Boys Doubles (2017)
- President's Scholarship with Distinction University of Waterloo, for 95-100% admission average (2017)
- Contributing author of "Finance Simplified – Second Edition" (2017)
- 1<sup>st</sup> Place DECA International Conference Personal Finance Special Event (2015)
- Gold Standard Peel Music Festival (2015)
- 1<sup>st</sup> Place Burlington Music Festival Level 7 Romantic Performance (2014)
- 2<sup>nd</sup> Place Regional Jr Badminton Team (2014)

## Interests

- Piano, Royal Conservatory level 9
- Badminton, Tennis, Muay Thai
- Lion Dance Cultural Performance
- Card magic
- Bartending
- Competitive speed cubing (timed Rubik's cube solving)