

Justin Chow

University of Waterloo | 1B Computer Engineering
416-452-0955 | justinchow03@hotmail.com | [LinkedIn](#) | [GitHub](#) |

Skills and Qualifications

- **Programming and Hardware Skills**
 - **Two Year Experience in Python, and Java Programming;** Currently gaining experience in C/C++ through academics and side projects
 - **One Year of Experience in Computer Hardware;** Assembled a PC and breadboard circuits
- **Experiences in Microsoft Office and GSuite;** Proficient in Microsoft Word, Excel, Powerpoint, and Publisher. Over 5 years of experience using GSuite through academics
- **Experiences in VirtualBox;** Gained knowledge in setting up and installing different operating systems ranging from different Linux distros (eg. Ubuntu, Zorin OS, Mint) to different Windows OS
- **Teamwork/Team Player;** Effectively lead teams in Eye Hope Canada by taking initiative. Remained dedicated and committed throughout the project by actively communicating between team members and leading others towards the end goal
- **Problem Solving;** Methodically and thoroughly examined problems to approach potential solutions. Was able to successfully overcome many unexpected challenges as a skating coach (eg. How to adapt my lesson plan with skaters with disabilities). Remained determined to solve the problem while being respectful to the skater
- **Communication;** Vocal in my thoughts during group projects while maintaining a positive and equal environment. Supported a respectful and constructive rapport with my team members throughout my academic career in high school and university

Projects

[Personal Website \(HTML, CSS, Javascript\)](#)

Feb 2022

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[Colour Bomb \(C\)](#)

Nov 2021

- Colour Bomb is an Escape Room game for the ECE198 course that requires the use of a colour sensor, 4-bit LED display, and LEDs
- Learned how to read schematics and assemble breadboard circuits and program a Nucleo STM32F401 board using VSCode and PlatformIO. Implemented a multiplexing technique onto a 4-bit 7-segment LED display and used GIT to commit to changes for evaluations

[Typing Test \(C++\)](#)

July 2021

- Test users on their ability to type randomly generated words quickly and effectively.
- Gained the basics of C++ syntax, simple call stack data structures, and object-oriented programming

[Countdown Bot \(Python\)](#)

April 2021

- Developed on a popular social media platform, Discord
- Allows users to quickly find how many days are left until the last day of High School, along with other fun commands like a roll command
- Learned how to use and call an [API](#) from a script with real-world applications

[Invoice Program \(Python\)](#)

Dec 2020

- Automatically inputs information required for Markham Skating Club's invoices based on user input and saves the result onto an Excel spreadsheet
- Acquired knowledge of simple file management and access through code and how to use complex libraries to improve user experience (appJar and openpyxl)

Stones (Java)

Nov 2019

- A GUI application based on the Mancala Stones Game for the Grade 11 Computer Science Course
- Learned the basics of Java syntax and the basic structure of object-oriented programming

Work and Volunteer Experience

Network Support Technician, University of Waterloo, 200 University Ave W, Waterloo, ON Jan 2022 – Present

- Conducted Wi-Fi surveys using Ekahau Connect, Wi-Fi testing, and Wi-Fi client support
- Created and updated network jack and IP information for clients
- Maintained clean and orderly telecom rooms
- Analyzed and resolved support tickets on Jira and [RT](#) submitted by clients

Canskate Coach, Markham Skating Club, 6041 Hwy 7 Markham, ON Sept 2019 – Present

- Developed and implemented lesson plans, coordinated with other coaches for supervision, lessons, games, and events, and provided customer service to parents through email and in person
- Exhibited strong communication and organization skills required to effectively teach groups of up to 15 skaters ages 3 to 12

Campaign Coordinator, [Eye Hope Canada](#) Sept 2020 – Aug 2021

- Implemented and directed projects in line with EHC's goals, outreached to the community for events through social media and email, and organized Interviews with speakers to use for events
- Became proficient in team and project management, outreach to outside sources, and organization in a fast-paced environment

Education and Honours

Candidate for Bachelor of Applied Science, University of Waterloo, 200 University Ave W, Waterloo, ON Sept 2021 – Present

- 1A (Fall 2021) Term Average – 3.7 GPA (80.2%)
- 2021 – President's Scholarship Award Recipient

Ontario Secondary School Diploma, Bur Oak Secondary School, 933 Bur Oak Ave, Markham, ON Sept 2017 – June 2021

- 2021 – Ontario Scholar
- 2021 – YRDSB Math Excellence Award
- 2021 – Bur Oak Secondary School Character Award
- 2017 – 2021 Honour Roll

Extra-Curriculars and Awards

Figure Skating

- 2021 – Skate Canada Diamond Dance Medal and Star 7 and 9 Artistic Medal
- 2020 – Skate Canada Gold Dance Medal
- 2020 – Opening Soloist for Markham Skating Club's 2020 Ice Show
- 2019 – Skate Canada Star 9 Freeskate Elements and Gold Skills Medal
- 2017 – Markham Skating Club's Scott Fountain Award

2021 – RBC Scholarship for the Children of Employees Recipient