

# Justin Chow

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

## Skills and Qualifications

---

- **Programming and Hardware Skills**
  - **Two Years of Experience in Python, and Java Programming;** Currently gaining experience in C/C++, HTML, CSS, and JS through academics and side projects
  - **One Year of Experiences in Computer Hardware;** Successfully assembled PCs 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
- **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 \(HTML, CSS, Javascript\)](#)

Jan 2022 – Present

- Exhibited the basics of HTML, CSS, and JS to make a website interactive and simple to use
- Effectively implemented Github REST API to pull repositories information to display them on my website and learned how to develop event-based JS scripts
- Currently learning the basics of JQuery and responsive design for mobile screens

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

Nov 2021

- Colour Bomb is an Escape Room game for the ECE 198 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

- Program tests 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
- Learned how to use and call Discord OAuth2 [API](#) functions 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)

## 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 to improve Wi-Fi network coverage and overall client satisfaction around campus
- Maintained clean and orderly telecom rooms, ensuring all devices were in working order and conformed to the University's conventions
- Effectively analyzed and resolved MANI support tickets on Jira and [RT](#) to the satisfaction of clients
- Performed installation and troubleshooted Cisco 9130 and 9105 APs around campus and residence dorms
- Created and updated knowledge-based articles and documentation

**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 all 3 major projects dedicated to community outreach and awareness through social media and email
- Conducted interviews and coordinated with speakers across multiple time zones
- 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