



JUSTIN CHHAY

Computer Engineering 📞 647-234-4608 ✉ jchhay@uwaterloo.ca  LinkedIn  GitHub  Website

TECHNICAL SKILLS

Languages: C++, C#, Java, JavaScript, Python, HTML/CSS, SQL

Dev Tools/Frameworks: Git/GitHub, Jira, Confluence, Jenkins, JUnit, Linux, VirtualBox, Bitbucket, VS Code

Other: Proficient in Agile development, detail-oriented, team player, ability to learn quickly

WORK EXPERIENCE

Software Quality Assurance Engineer

Uptake Canada

May 2022 – Aug 2022

Mississauga, ON

- Developed and debugged **50+ Java** unit tests using tools such as **RESTful API** and **hash maps**
- Utilized **API & Selenium** automation to streamline the QA process by replacing manual testing
- Discovered and fixed high-risk bug tickets through **Jira**, affecting **15+** international dealerships
- Utilized **Jenkins** to assist in biweekly **regression** and **Agile** testing for **5+** sales applications
- Communicated with developer team of 10 people in daily stand-ups to ensure quality control

Summer Sports Program Staff

Youth Unlimited

May 2021 – Jul 2021

Toronto, ON

- Organized Covid guideline regulated sports drills and activities for 20 students ages 5 to 17
- Increased youth attendance by 25% through strategizing program location and hours
- Hosted regular presentations to educate students about overcoming academic and personal challenges

PROJECTS

Coronavirus Statistics API Discord Bot, Python

- Leveraged **Python Discord API wrapper** and Coronavirus statistics **API** to retrieve data and display real-time Covid-19 statistics for each country based on user inputs
- Developed a ratio algorithm that retrieves the target country's population and active cases, calculating and assigning a rank of Covid-19 case severity within the Discord Embed message object from the Bot

Adjusted Cost Base Calculator, C++

- Created calculator for the adjusted cost base and capital gain/loss for inputted transactions
- Developed **LinkedList sort algorithm** using **dynamic allocation** of pointers to **allocate and delete memory** for the transactions

RPS Arcade Game Website, HTML/CSS/JS

- Designed website UI and content using **HTML/CSS** and **Chrome DevTools** for formatting and debugging
- Developed game logic and browser window prompts using **JavaScript**

EXTRA-CURRICULAR ACTIVITIES

Vice President of Technology, Junior Achievement Company

Oct 2019 – Jun 2021

- Engineered prototype for phone charging stands made from recycled election signs and manufactured 400 units, earning \$1100 in total profits
- Directed marketing between 20 students to manage e-commerce website and social media

EDUCATION

BASc Candidate for Honours Computer Engineering, University of Waterloo

Sep 2021 – Present

RELEVANT COURSES: Fundamentals of Programming, Data Structures & Algorithms