

Max Chu

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SKILLS

Languages: Java, JavaScript, C, Python, HTML, CSS

Tools/Frameworks: Node.js, Express, MongoDB, React, CockroachDB, Git, jQuery, Bootstrap

EDUCATION

University of Waterloo | CAV: 85+%

Sep 2020 – Apr 2025

Candidate For Bachelor of Computer Science (Honours)

- **Danaher Scholarship**

Sep 2020

Awarded 1 of 10 scholarships worldwide for academic excellence, leadership and community involvement

- UWaterloo President's Entrance Scholarship

Sep 2020

PROJECTS

Revampify | Node.js, Express, MongoDB, React, Javascript, HTML/CSS

Jan 2021

- Developed a **MERN stack** application where users manage and add playlist songs based on its time in playlist
- Employed the use of a **NoSQL MongoDB** database for userIDs, playlists, songs, and user selections
- Authenticated and authorized users through the use of **OAuth 2.0 protocol** with access and refresh tokens
- Utilized the Spotify RESTful **API** to enable frontend (**React**) to/from server (**Express**) communications from HTTP GET and POST requests, allowing access and modifications to playlists through API endpoints

OneBook | Javascript, Node.js, Express, CockroachDB, HTML/CSS

Jan 2021

- Built a web scraping chrome extension, a universal social media contact book, with **Javascript** and **HTML/CSS**
- Designed user interface using the Javascript **Document Object Model** to create content and background scripts
- Used Google API to authenticate and access user contacts on Google Contacts utilizing **Node** and **Express**
- Stored user contact information and JSON data objects in **CockroachDB's SQL** database

Personal Portfolio Website | JavaScript, jQuery, HTML/CSS, Bootstrap

Jul 2020

- Deployed a responsive personal portfolio website showcasing various projects
- Designed and developed intuitive and scalable website using **HTML, CSS, and Javascript**
- Utilized **Bootstrap** and **jQuery** to enhance user interface when responding to user requests

Connect 4 | Java

May 2020

- Built a Connect 4 application with a **GUI** and optional game modes such as multiplayer and player vs AI
- Implemented **object-oriented programming** principles in creating each slot and executing changes accordingly when a chip is placed

EXPERIENCE

Head Event Coordinator

Sep 2018 – Jun 2020

Bayview S.S Athletic Council

Richmond Hill, ON

- Led a group of **15** council members in organizing event logistics such as schedules, rules, equipment, and approvals
- Organized the annual Athletic Banquet celebrating the successes of over **200** student athletes and coaches
- Attended weekly council meetings to discuss and plan events within the school to promote healthy and active living

Mathematics Tutor

Sep 2017 – Jun 2019

Bayview S.S, York Region District School Board

Richmond Hill, ON

- Simplified math concepts while teaching students how to think critically to solve complex problems
- Translated difficult math concepts from English to Chinese to help students better understand questions
- Increased marks by an average of **10%** from assisting students in reviewing **10** distinctive units for frequent tests

Summer Camp Counsellor

Jun 2018 – Aug 2018

York Region District School Board

Richmond Hill, ON

- Planned and taught campers basic programming, robotics engineering, and basketball skills
- Monitored and supervised **150+** campers for their well-being and safety throughout the duration of the camp