

# Edward Zhuang

SOFTWARE ENGINEER

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## Education

### McMaster University

Hamilton, ON

B.ENG. IN SOFTWARE ENGINEERING

Sep. 2019 - Apr. 2024

- **GPA:** 3.7/4.0
- **Relevant current courses:** Databases (SQL) [Fall 2021], Introduction to Data Mining [Winter 2022]
- **Relevant past courses:** Data Structures and Algorithms (Java), Introduction to Software Development (Git, SDLC)

## Skills

### Development

Java, Python, JavaScript (ES6), React, Node.js, SQL, HTML, CSS, Bootstrap, Bash, MATLAB, R

### Other Technologies

Git, APIs, Linux, Microsoft Excel, Jira, Content Management Systems, LaTeX

## Experience

### Web Development Assistant

Remote

ONTARIO MINISTRY OF EDUCATION

May. 2021 - Sep. 2021

- Assisted in structure creation and content entry in Kentico CMS to move Ontario curricula from PDF format to website format
- Reduced time for structure creation by ~95% by developing a **JavaScript (ES6)** script with **Node.js** and **Kentico Kontent API**
- Drafted and pitched audience-targeted help videos for users with difficulties navigating the Ontario curriculum site

## Projects

### League of Legends Data Fetcher

Personal Project

DISCORD BOT

Mar. 2021 - Apr. 2021

- Developed a data-fetching Discord bot for League of Legends player data, including commands for fetching live game data and player profile data
- Developed backend in **Python** and integrated the **Riot Games API** to fetch data

### Bench Spot

Hack Western 7

ANDROID APP

Nov. 2020

- Helped create a navigation app based in Toronto to show a user nearby benches, public washrooms, garbage bins, etc.
- Developed backend in **Java**, integrating **Google Maps API** and parsing together data from City of Toronto Open Data Set in **Android Studio** to create the app

### GitHub Commit Frequency Analyzer

MLH Local Hack Day

WEB APP

Dec. 2018

- Developed a program which processes the commits vs. time data of a given GitHub repository using **Python** and the **GitHub API** to produce the resulting intensity vs. frequency graph of that data using **Dash**
- Won 3<sup>rd</sup> Place Overall and Best Use of the GitHub API

## Extracurriculars

### Computer Chapter Vice Chair

McMaster University

IEEE McMASTER STUDENT BRANCH

Nov. 2020 - Present

- Planning a web development portfolio workshop to teach students how to create a web portfolio with **HTML**, **CSS**, **JavaScript**, and **React** [Nov. 2021]
- Performing, planning, and developing tasks in an agile environment using **Jira**
- Helped plan and lead a JavaScript Tetris workshop to teach **30+ students** how to code games in **HTML**, **CSS**, and **JavaScript** [Feb. 2021]