Edward **Zhuang**

Software Engineer

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Edu**cation**

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)

Ski**lls**

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

Exp**erience**

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

Pro**jects**

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** and **GET requests** 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 3rd Place Overall and Best Use of the GitHub API

Ext**racurricular Activities**

Computer Chapter Co-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]