

# James Zhang

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## PROFESSIONAL SKILLS

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**Languages** | JavaScript, HTML5, CSS3, Python, SQL, C, C++, Racket

**Technologies and Frameworks** | React, Vue, MySQL

**Developer Tools** | Git, Github, Linux

**Soft Skills:**

- Strong teamwork skills gained from hackathon and developer experience
- Solid leadership skills obtained through instructor position and developer experience
- Effective communication skills acquired through hackathon presentations and public speaking course

## PROJECTS

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**Resumate (Resume-Builder)** | [Github](#) | [Devpost](#)

- Developed a resume-builder following the **waterfall method(SLDC)** using **Vue**, **HTML** and **CSS** during HackTheNorth 2022 **to simplify the process of creating resumes** and generate feedback for bullet points
- Integrated **Cohere's NLP API** to generate professional feedback and score the resume out of 100

**Weather App** | [Github](#) | [Website](#)

- Developed a weather web application using the **openweathermap API**, **React**, **HTML** and **CSS** with the purpose of displaying the weather at a specific inputted city

**Palatter (Color Palette Generator)** | [Github](#) | [Website](#) | [Devpost](#)

- Developed and designed the website using **Figma**, **HTML**, **CSS** and **Javascript** during HackTheNorth 2021 allowing users to generate color combinations with the **goal of reducing time spent on choosing color templates**
- Includes a randomize button and a lock function to save your preferred colors improving usability

**MalBot (Discord Bot)** | [Github](#)

- Created a discord bot using **Python** that can display information related to popular anime shows, play guessing games for random characters and moderate discord servers
- Used **Selenium** to webscrape data from myanimelist.net and used **BeautifulSoup** to navigate, search and transform the data into a more legible form

**Chess Dataset Analysis** | [Github](#)

- Analyzed a chess dataset containing 20,058 entries using **MySQL** in order to discover the advantage the player with the white pieces had, different ways games could end and common openings for the black and white pieces

## RELEVANT EXPERIENCE

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**AlumNav | Front-End Website Developer** | [Website](#)

Jul 2021 - Present

- Developed and designed the website using **Wordpress**, **HTML** and **CSS** to display the organization's initiatives
- Collaborated with 13 project teams by setting up weekly meetings to showcase the website's progress
- Managed AlumNav's website traffic to yield **400 monthly visitors** improving web traffic by **60%**

**Upper Markham Learning Centre | Coding Camp Instructor**

Jun 2022 - Sep 2022

- Taught 4 different classes of students core programming concepts including functions and classes in **Python**
- Managed **two volunteers** by communicating their responsibilities clearly and checking with them after each class in order to lead effective lessons
- Created an interactive classroom for students by encouraging participation through in class questions and mini projects to inspire creative thought

## EDUCATION

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**University of Waterloo - Candidate for Bachelor of Computer Science**

2022 - 2027(expected)

- Courses: Public Speaking, Designing Functional Programs, Calculus I, Algebra, Introduction to Microeconomics
- Clubs: University of Waterloo Computer Science Club, University of Waterloo Data Science Club
- GPA: 3.9