

# James Zhang

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## PROFESSIONAL SKILLS

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

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

**Developer Tools** | Git, Github, VS Code, Vim, 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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**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

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

- Developed a resume-builder following guidelines from the software development life cycle with Vue, HTML and CSS during HackTheNorth 2022 to simplify the process of creating resumes and generate feedback for bullet points
- Used Cohere's NLP API for generating professional feedback and scoring 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

**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)

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