

VICTOR ZHENG

EXPERIENCE

Full Stack Web Developer

Tradable Bits

📅 Jan 2022 – Present

- Created marketing and data analytics tools for clients such as Ticketmaster and Live Nation through **JavaScript**, **Python** and **SQL**
- Spearheaded the development of a scheduled email system through **distributed task queues** to send automated emails on marketing data over a specified frequency
- Developed a new customizable marketing campaign used by an international music company with the **Spotify** and **Apple Music API** through **OAuth 2.0** to allow fans to pre-save songs

Software Developer

1Password

📅 May 2021 – Aug 2021

- Created tools for account administrators using **React**, **TypeScript**, and **Go**
- Led the development of the **OAuth 2.0** flow used in multiple integrations, such as the Slack integration used by over **7,700** daily active accounts, preventing CSRF and authorization code injection attacks
- Restructured tightly coupled custom group permissions, resolving customer complaints for accounts totalling more than **1,400 users**

Team Captain

WATonomous

📅 Sep 2020 – Present

- Led a **50-member** student design team in developing a fully autonomous vehicle
- Prepared sponsorship proposals and raised over **\$50,000** in the past two years
- Spearheaded discussions with multiple Fortune 500 companies, resulting in exclusive recruitment partnerships for WATonomous
- Contacted and formed relationships with a variety of media, resulting in features on [UWaterloo news](#)

PROJECTS

Fread 🗣️

📅 Apr 2021 - Aug 2021

- Created a [mobile app](#) that allows users to scan and learn how to pronounce words from photos using **React Native** and **Firebase**
- Implemented scanning and detection of words within images through expo-camera and **Cloud Vision API**

MoodMSG 🗣️

📅 Feb 2021

- Built a [Discord bot](#) using **Python** that analyzes the sentiment of messages sent in Discord servers using **Cloud Natural Language API**
- Developed a [web app](#) using the **MERN stack** to view previous messages analyzed on the Discord bot and the sentiments attached to them

CONTACT

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ACHIEVEMENTS

- **2nd out of 8 teams**
SAE AutoDrive Challenge
presented by General Motors
and SAE
- **3rd out of 20 teams**
FraserHacks 2019
- **Top 32 out of 200 teams**
IPPF essay competition
presented by New York
University

CERTIFICATES

- AWS Certified Cloud Practitioner
- Google Data Analytics Certificate

SKILLS

Languages

Python Go C++
JavaScript SQL HTML
CSS

Frameworks and Tools

AWS React
React Native Git
Node.js Firebase
MongoDB Flask Celery

EDUCATION

Bachelor of Computer Science

[University of Waterloo](#)

📅 2020-2025

Cumulative Average: 90.4%