

Victor Zheng

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TECHNICAL SKILLS

- Python, Go, C, JavaScript, HTML, CSS
- AWS, React, React Native, Git, Node.js, Firebase

EXPERIENCE

Junior Developer | May 2021 - Aug 2021

1Password

- Developed 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 | Sep 2020 - Present

WATonomous

- Co-led a **50-member** student design team in developing a fully autonomous vehicle
- Prepared sponsorship proposals and raised over **\$30,000** in the past year
- Contacted and formed relationships with a variety of media, resulting in features on [UWaterloo news](#)
- Spearheaded discussions with multiple Fortune 500 companies, resulting in exclusive recruitment partnerships for WATonomous

Software Developer | Jun 2018 - Aug 2018

conversationHEALTH

- Built a healthcare chatbot with **20,000+** peak active subscribers using **JavaScript** and the Botpress Stack
- Trained chatbot with natural language processing capabilities using the RASA Framework
- Implemented **60+** new conversational flows with varying health topics into the chatbot

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

ohmi | Jan 2021

- Designed a [web app](#) that allows users to synchronously send personalized favours to their friends using **React** and Ant Design
- Authenticated and stored user data using **Firebase** so users' favours can be tracked in real time

CERTIFICATES AND ACHIEVEMENTS

- AWS Certified Cloud Practitioner
- Google Data Analytics Certificate
- 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

EDUCATION

University of Waterloo | Expected graduation: Apr 2025

Bachelor of Computing and Financial Management

- Cumulative Average: 94.1%