VICTOR ZHENG

EXPERIENCE

Junior Developer

1Password

📅 May 2021 – Aug 2021

- 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

WATonomous

📅 Sep 2020 – Present

- 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
- 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

Software Developer

conversationHEALTH

📅 Jun 2018 – Aug 2018

- 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

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 HTML CSS

Frameworks and Tools

AWS React
React Native Git
Node.js Firebase

EDUCATION

Bachelor of Computing and Financial Management

University of Waterloo

📅 2020-2025

Cumulative Average: 94.1%