

Kai Wang

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SKILLS

LANGUAGES: Python, JavaScript, Ruby, .NET, Java, C++, SQL, HTML/CSS, Visual Basic

TECHNOLOGIES/TOOLS: React, Selenium, Node, Rails, AWS, MySQL, Angular, Docker, OpenAI

EXPERIENCE

MIOVISION | Software Developer

Sep 2022 - Present | Kitchener, ON

- Developed, maintained, and deployed a full stack traffic data web application built using **Ruby on Rails**
- Utilized **SQL** and **AWS** to manage a database housing traffic data from over **50%** of the intersections in North America
- Migrated an old legacy **.NET** application, used by thousands of users across the globe, into a modernized **Angular** platform
- Worked collaboratively with a team of 9 highly skilled senior developers, in a high intensity **Agile** environment

WATOLINK ENGINEERING STUDENT DESIGN TEAM | Connected Software Developer

Sep 2021 - Present | Waterloo, ON

- Created a brain-computer interface involving action-classification via EEG signal analysis in **Python**
- Enabled cross-platform, visual communication through **Selenium** web scraping and the DALL-E machine learning model
- Implemented features allowing users to interact with the Twitter platform, through the Twitter API and the **tweepy** library

OPAL | Software Engineer

May 2022 - Sep 2022 | Menlo Park, CA

- Created a social media platform for creating, trading, and selling NFTs, using **React** and **MongoDB**
- Worked closely in a completely virtual startup environment, consisting of 9 blockchain developers from across the globe
- Implemented backend **REST API** calls using **Postman** and the axios npm library

U+ EDUCATION | Web Developer

Jan 2022 - Apr 2022 | Toronto, ON

- Designed, built, and maintained a fully responsive, high traffic business website using **React** and **SQL**
- Created and taught a complete coding course in **Python**, including topics such as OOP and data structures/algorithms
- Independently managed a team of 7 developers, gaining expertise in group leadership and project management

PROJECTS

TRAVEL LENS |  github.com/k429wang/TravelLens

- **Hack the North 2022** project that performs live text translations, triggered using the Adhawk Mindlink eye tracking glasses
- Track the frequency of a user's blinks, and the exact coordinates of their eye gaze using the Adhawk API in **Python**
- Utilized the **Google Cloud Vision API** to detect and translate text using OCR computer vision technology

TRIVIA DISCORD BOT |  github.com/k429wang/Trivia-Discord-Bot

- Created an interactive trivia application using **Python** and the Open Trivia Database API
- Implemented the program into a private Discord bot using the discord.py and async.io libraries

EDUCATION

UNIVERSITY OF WATERLOO | Bachelor of Applied Sciences in Computer Engineering

Sep 2021 - Present | GPA: 3.73