

Kai Wang

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SKILLS

LANGUAGES/FRAMEWORKS: .NET, Python, JavaScript, C#, SQL, Ruby, C++, Java, React, C, HTML/CSS

TECHNOLOGIES/TOOLS: PyQt, GCP, AWS, Azure, Selenium, OpenCV, Node, Rails, BigQuery, Tableau

EXPERIENCE

TITANIUM AGENCY | Software Engineer

May 2023 - Aug 2023 | Waterloo, ON

- Created a backend data transfer application to pull live ad budget data from Google Cloud SQL using **.NET** Core and **C#**
- Automated ad creation and management using backend **Python** automation scripts that interfaced with the Google Ads API
- Contributed to the maintenance of a fully functional **JavaScript** web application, used to optimize ad profit and performance
- Enabled cross-platform functionality and improved user experience using HTTP cookies and ASP.NET state management

WATOLINK ENGINEERING STUDENT DESIGN TEAM | Connected Software Developer

Sep 2021 - Dec 2022 | Waterloo, ON

- Created a brain-computer interface involving action-classification via EEG signal analysis in **Python** using **PyQt**
- Enabled multi-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
- Placed **1st** overall at the NeuroTechX global undergraduate non-invasive neural interface student club competition

MIOVISION | Software Developer

Sep 2022 - Dec 2022 | Kitchener, ON

- Developed, maintained, and deployed a full stack traffic data analysis web application, built using **Ruby on Rails**
- Independently created internal backend **REST API** endpoints and unit/integration tests using the **.NET** framework in **C#**
- Utilized **SQL** and **AWS S3** to manage a database housing traffic data from major intersections across all of North America
- Worked collaboratively with a team of 9 highly skilled senior developers in a high intensity Agile environment

U+ EDUCATION | Web Developer

Jan 2022 - Apr 2022 | Toronto, ON

- Designed, built, and managed a fully responsive, high traffic business website using the **React** library
- Created and taught a complete coding course in **Python**, including topics such as OOP and data structures/algorithms
- Independently managed a team of 7 junior 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
- Tracked 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

STUDYCAM |  github.com/k429wang/StudyCam

- **DeltaHacks9** project that tracks individual study efficiency through your webcam using **OpenCV** technologies
- Used **facial recognition** to detect users in a live video frame to help track study habits and health trends in **Python**

EDUCATION

UNIVERSITY OF WATERLOO | Bachelor of Applied Science in Computer Engineering

Sep 2021 - Present | GPA: 3.7