Michael Wang

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SKILLS

- Languages: Python, C, C++, HTML/CSS, JavaScript, NodeJS, Bash
- Frameworks: ReactJS, ExpressJS, NextJS, Jest
- Tools: MySQL, MSSQL, Google Cloud Platform, Microsoft Azure, Bitbucket Pipelines, Postman, Jira, Git, GNU Make, Docker, Tensorflow

EXPERIENCE

Systems With Intelligence Inc. | **ReactJS, JavaScript, C++, Python**   **Mississauga, ON**
Software Developer   *Aug 2021 - Present*
- **Front-end** web development using the **ReactJS** framework, with **React Bootstrap** for **CSS**
- **Back-end** web development using **ExpressJS**, **NodeJS** and **Google Cloud Functions**
- Spearheaded initiative to systematically backfill **unit/integration testing** for codebase using **Jest** and **React Testing Library** increasing test coverage from 5% to over 80%
- **Team lead** for 3 month development cycle, overseeing progress, organizing/delegating tasks, acting as first point of contact for other departments
- Device firmware development using **Arduino C++** implementing new features, refactoring existing code, and debugging issues using a **Serial Monitor**
- Led adoption of **Kanban** AGILE framework using **Jira**, creating Kanban boards, ticket templates and workflows
- Used **MySQL**, **MSSQL** and **Google Cloud Datastore** to create and modify database entities
- Creation, maintenance and debugging of **Python** scripts to automate hardware testing

RSVP.ai | **JavaScript, DumiJS, HTML**   **Waterloo, ON**
AI Project Manager Assistant   *Sept 2020 – Dec 2020*
- **Front-end** web development using **HTML**, **JavaScript** and **Markdown** using the **DumiJS** framework

Blackberry LTD. | **Python, Java, Bash**   **Waterloo, ON**
Service Automation Development   *Sept 2019 – Dec 2019*
- Migrated automation scripts written in **Python2.7** to be compliant with **Python3.6**

Sourced Group | **Python, Microsoft Azure**   **Toronto, ON**
Cloud Analyst   *Jan 2019 – Apr 2019*
- Created a **Slackbot** using an **Azure Web App** to an endpoint using **REST API** requests
- Developed software to manage Enterprise-scale **Microsoft Azure Policy** using the **Azure SDK for Python**

EDUCATION

University of Waterloo   **Waterloo, ON**
Bachelor of Computer Engineering   *Sept 2016 - Apr 2021*

PROJECTS

Portfolio Website ⬡ | **JavaScript, NextJS, React Bootstrap**   *Apr 2022 - Present*
- Personal website implemented in **NextJS** and **JavaScript** hosted using **Vercel**

Card Fetching Reddit Bot ⬡ | **Python, PRAW**   *Jan 2022 – March 2022*
- Created a **Reddit Bot** programmed in **Python3** using **PRAW** that responds to comments/submissions with Yugioh card names enclosed in brackets with links to card wikis and price data
- Uses **fuzzy search** for Card name matching to handle minor typos, special characters and contractions

SignSense ⬡ | **Python, Android Java, Keras, MediaPipe**   *Sept 2020 – May 2021*
- Developed an **Android** application that translates live video of a person signing ASL into English text
- Trained a **Keras** deep-learning model trained to interpret real-time video of sign language into words