

MICHAEL VYTLINGAM

FULL STACK DEVELOPER

michaelv.ca
github.com/mikevyt
hello@michaelv.ca
416.305.1757

Skills

Languages: Python, TypeScript/JavaScript, Go, SQL, C++, Bash

Front End: React, Redux, Vue, Vuex, Sass, JEST, Enzyme, Webpack, Babel, Bulma, Semantic UI, Lottie

Back End: Node, Express, Django, Apollo GraphQL, Firebase

Other: Docker, TensorFlow, scikit-learn, Adobe Illustrator, After Effects, Figma

Experience

University of Waterloo / Machine Learning Researcher (URA) **SEPT 2019 – DEC 2019**

- Training real-time object detection model of kitchen items using Darknet, YOLO for use with robot.

Grain Discovery / Software Engineering Intern **MAY 2019 – AUG 2019**

- Utilized React, Redux, DeckGL and Express to build Grain Discovery's commodity trading platform
- Incorporated necessary UI/UX Principles to cater to wide range of demographics in agricultural business industry
- Created concise, well-tested visual and functional components with emphasis on reusability and maintainability
- Designed RESTful endpoints in Express to handle user interaction on platform
- Developed smart contracts in Hyperledger Fabric to handle commodity transactions on blockchain
- Incorporated Bash scripts, and re-configured builds in order to streamline CI/CD pipelines
- Practiced agile and scrum methodologies in a fast-paced pre-launch startup environment

ENGINEERING.com / Software Engineering Intern **SEPT 2018 – DEC 2018**

- Worked extensively in Vue, Vuex, Fabric.js, Go, and MySQL on online collaboration platform
- Improved internal analytics page with useful data visualizations to coincide with business requirements
- Designed and constructed new home and user profile pages, incorporating necessary UI/UX Principles
- Performed automated end-to-end testing to mimic frontend user flows using TestCafe
- Maintained documentation of services and libraries to decrease onboarding time of new team

Projects

Hack The North 2019 / CodeParrot **SEPT 2019**

- Translates spoken language into Python code, intended for technical discussions and interviews
- Technologies: React, Express, Microsoft Cognitive Services Speech (NLP) and LUIS (ML), [Github](#)

ProjectCourtsider **ONGOING**

- Application that generates analytics/insights to determine advertising potential of popular gaming streamers
- Incorporates Youtube, Twitch and Mixer APIs to gauge viability, trains model to make future predictions
- Technologies: Typescript, C#, React, .NET Core, Postgres (website data), MongoDB (analytics), Docker

Education

University of Waterloo / Mechanical Engineering (BaSc) **SEPT 2017 – JUN 2022**