

# Ian Stenecker

UNIVERSITY OF WATERLOO COMPUTER ENGINEERING 2022 - US & CANADIAN CITIZEN

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## Skills

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**Programming** Python, C++, C, C#, Java, JavaScript, Node.js, React, Redux, React/Redux, Typescript, Angular, Flask, Probot  
**Technologies** git, GitHub Administration, Jenkins, Docker, Kubernetes, PowerShell, bash, Linux, Windows Server

## Work Experience

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### AMD Radeon Technologies

Markham, ON (Remote)

DEVELOPER IN DEVOPS

Sep. 2020 - Dec. 2020

- Migrated numerous Jenkins pipelines from using Perforce to GitHub Enterprise, often decreasing runtime by up to 50%
- Created multiple GitHub Apps using TypeScript and ProBot for CI and monitoring purposes upon migration to GitHub Enterprise.
- Built automated testing framework and CI for GitHub Apps using Docker, Jenkins, and jest. Wrote a large amount of documentation and CI rules to ensure automated tests would be written in the future, improving code reliability and app deployment speed for a small team.

### OpenText

Waterloo, ON

SOFTWARE ENGINEER

Jan. 2020 - Apr. 2020

- Implemented and led testing on a new deployment method of the Core Share product using Kubernetes and other development tools.
- Engineered improvements to the OpenText Core Share Desktop Client and file synchronization engine using Node.js, AngularJS, and Python to Product Manager specifications while initiating discussions on new improvements of the application.

### Tangam Systems Inc.

Waterloo, ON

SOFTWARE DEVELOPER

May. 2019 - Aug. 2019

- Built full-stack features such as customizable permission-based webpage security using Angular, TypeScript and C# for a web-based live casino dashboard and floor layout recommendation engine.
- Led the development of a variety of web security tasks, including anti-XSRF, XSS protection, and Content Security Policy to bring an outdated intranet product to acceptable safety standards according to an array of security evaluations in order to secure a contract with a large new customer.

### Klipfolio

Ottawa, ON

SOFTWARE DEVELOPER

Sep. 2018 - Dec. 2018

- Implemented crucial features in an online data modelling and dashboarding tool with comprehensive unit and functional testing using JavaScript (ES5/6, React, Redux), Java, Groovy, Selenium WebDriver, and jest.
- Discovered and fixed bugs with backend API before deployment that saved dozens of hours of working time due to data corruption.
- Took ownership of a number of React components while working in an agile development environment, maintaining and improving functionality in a rapidly changing product.

## Projects

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### Local Speech Recognition Engine

Waterloo, ON

PERSONAL PROJECT

Jan. 2020 - Present

- Designed and created a Docker-containerized HTTP-accessible speech recognition engine using Docker, Flask, Python, and Sphinx.
- Local Speech Recognition is meant as an alternative for those who do not want their home automation system to reach the cloud.

### Electric Longboard Construction

Waterloo, ON

PERSONAL PROJECT

Jul. 2019 - Sep. 2019

- Designed circuits for, mechanically constructed, and flashed BLDC firmware on an open-source electric speed controller for the construction of an electric longboard capable of traveling 50km/h for up to 15km.

## Extracurricular Activity

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### Hack The North 2019

Waterloo, ON

COMPETITOR

Sep. 2019

- Used Tensorflow Keras to develop a machine learning neural style transfer algorithm to present an example of machine learning to the average user.
- Developed a front-end React app and backend using Flask and Firebase for a user-friendly example of machine learning.

## Education

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### University of Waterloo

Waterloo, Ontario

CANDIDATE FOR BASC IN COMPUTER ENGINEERING

Sep. 2017 - 2022

- Relevant coursework: Data Structures & Algorithms, Systems Programming & Concurrency, Embedded Microprocessor Systems, Digital Computers