

Michael Shiozaki

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Technical Summary

Languages	Python Java Swift Kotlin C++ C# HTML CSS Javascript
Technologies	Android Git OpenCV Dash Tensorflow Azure AI API AWS Unity
Supplementary	Product Design Prototyping User Research and Testing JIRA

Education

University of Waterloo, B.ASc. Systems Design Engineering, Class of 2020

Experience

University of Waterloo - Vision and Image Processing Lab	May - Aug 2019
Research Assistant, Web Developer	Waterloo, ON

- Assessed and improved data visualization methods using Python and DASH to improve communication of data patterns to users
- Published and presented at the GLEON 2019 Conference on the web data visualization tool

North Inc.	Sept 2018 - Apr 2019
Mobile App Developer	Kitchener, ON

- Produced flow screens using Java, Kotlin and Swift based on UX wireframes
- Wrote unit tests using JUnit 4 to ensure app functionality and robust code, increasing overall code coverage by 10%

ITNextstep Inc.	Jun - Aug 2017
Computerized Maintenance Management System Project Lead and Analyst	Toronto, ON

- Led upgrade of maintenance team system from paper to electronic, increased productivity by 40%
- Conducted a competitive analysis of available options and presented conclusions to executives

Extra Curricular

A Cappella Ensemble (ACE) - UWaterloo A Cappella Club	Jan 2018 - Present
Music Director, Section Lead, Conductor Coordinator	Waterloo, ON

- Directed the largest A Cappella group in Canada through a 3 song concert performance, including choreography
- Taught basic music theory, music and instructed the tenor section over five terms as section lead

Midnight Sun Solar Car Team	Oct 2015 - Present
Project Coordinator, Solar Team Lead	Waterloo, ON

- Led multidisciplinary team to determine the most optimal configuration of solar array components and the solar cell layout for our next generation vehicle
- Assessed previous competition shortcomings and led a team to make improvements, won 3rd at FSGP 2019

Projects

Datashot	Hockey tool using cameras and Python blob detection to identify shot locations relative to targets
Recollecture	Lecture recording web app using Microsoft Azure API to transcribe and users request keywords via Dialogflow chatbot
Chromaz	Color differential and matching game for designers made in IOS