Michael Shiozaki

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Experience

Mobile Application Developer

Konnex Enterprises

- Driving the creation, integration, and implementation of IOS and Android apps using Swift and Kotlin to integrate with external Bluetooth lock device

Research Assistant, Web Developer

University of Waterloo - Vision and Image Processing Lab

- Modified data visualization methods using Python and DASH to improve communication of global lake microcystin data trends to researchers
- Published at the GLEON 2019 Conference on collaborative web data tools

Mobile App Developer

North Inc. (Acquired by Google)

- Produced user troubleshooting flow screens using Java, Kotlin and Swift based on UX wireframes to reduce user confusion and minor support requests by 35%
- Collaborated with a multidisciplinary team to create home and Bluetooth status screens
- Wrote unit tests using JUnit4 to ensure app functionality, increasing overall code coverage by 10%

Project Coordinator, Solar Team Lead

Midnight Sun Solar Car Race Team

- Led multidisciplinary team to determine the most optimal configuration of solar array components and cell layout for our next generation vehicle
- Led team to 3rd at FSGP 2019, oversaw assessment and repairs of brake, aerobody, and electrical charging components

Publications

M. Shiozaki, S. Haghighat, S. Feng, V. Sivan, A. Wong, T. Harris and J. Deglint, "Interactive Tool for Aggregating and Visualizing Spatial and Temporal Harmful Cyanobacteria Bloom Data", GLEON International Conference, 2019.

Other Activities

A Capella Ensemble - Music Director, Conductor

- Directed Canada's largest A Capella group in gig and concert performances

Education

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

Skills

Languages

Python | Swift | Java | Kotlin
C++ | HTML | CSS | Javascript

Technologies

Android | Git | IOS | OpenCV
DASH | Tensorflow | AWS
Unity | JIRA

Supplementary

Product Design | Prototyping
User Research and Testing
Agile

Projects

Datashot

Hockey training tool using cameras and OpenCV to identify shot locations relative to projected targets

SpaceDrinks

Startup venture based on sending alcoholic drinks to the edge of space

Recollecture

Lecture recording web app using Microsoft Azure to transcribe speech to text and Dialogflow bot to interact