

CHRISTOPHER HO

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EDUCATION

University of Waterloo, B.A.S, Mechanical Engineering,
AUCC scholarship and UW entrance bursary with 92.3% entrance average

2016 – 2021 (expected)

SKILLS

Languages/Frameworks: Swift, Java, React.js, Vue.js, Python, Material-UI, Bootstrap

Tools/Technologies: XCode, Android Studio, BitBucket, Atlassian Tools, MySQL Workbench, RESTful API, Postman

WORK EXPERIENCE

SkipTheDishes – Software Developer, Winnipeg, Manitoba

Aug 2018 – Present

- Collaborated with product team to **implement redesign** of restaurant list and details pages for **native iOS**
- Improved Skip's view model library for **both native iOS/Android** by developing new **modular UI components**
- Substantially lower crash rates by **shipping bug fixes daily** and **isolating business logic** to follow **MVVM design**
- Improved **image caching for restaurant page on native iOS** by implementing external **PINCache** library
- Built new REST API endpoints and query logic between internal services using **Java, Spark and MySQL**

QReserve Inc – Software Developer, Toronto, Ontario

Jan 2018 – April 2018

- Developed and published to app store from scratch a **cross-platform mobile application using Vue.js and Weex** to be used by over 100,000 registered Ontario nurses
- Built registration form pages and reservation list components for beta web application using **React and Redux**
- Increased **test coverage** for QReserve REST API for email registration/verification using **Python and Flask**
- **Designed and implemented new UI features** for legacy application to increase user conversion for release of QReserve Beta using **Vue.js**

Ontario Teacher's Pension Plan – System Analyst, Toronto, Ontario

Sept 2016 – Dec 2016

- Implemented new queue management system to **increase IT staff support efficiency by 15%** by delegating responsibilities to team and reporting on-going issues to developer team
- Saved IT department countless hours by writing script that validates VPN connection for all company machines
- Provided daily IT support including cloning VMs, remote assistance and hardware setup/troubleshooting

PROJECTS (see more at christopherho.ca)

Tagger (Winner of Hack the Valley II Competition) – Hardware System/ Native iOS App

- Team lead and **primary mobile developer** on team of 4 including responsibility of pitching to final judges
- Developed iOS app using **Microsoft Face API facial recognition** to authenticate and track user's travel luggage
- Constructed **scan-and-go environment** by leveraging OpenCV to verify QR codes on user's mobile app

Liqbo (Published to App Store) – Native iOS App

- Developed mobile shopping iOS app that fetches over 10,000 LCBO products from public REST API
- Implemented a live locator using **iOS MapKit library** to display closest liquor stores in user's GPS location

SafeHub – Native iOS App

- Developed iOS app that unlocks an Arduino-based locked system with **speech and fingerprint authentication**

PoopScoop! (Published to App Store) – Native iOS App

- Developed iOS game app using SpriteKit and designed all game assets with **peak-installation of 10,000 users**