

# TUAN MAI

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## 🎓 Experience

### Mobile Application Developer | Encore Market Engagement

Jan 2016 – Dec 2018

- Designed and developed an iOS application (Swift) that utilizes machine learning and computer vision (OpenCV) to enhance sales representatives' routine
- Created object detector algorithms in MATLAB to detect distinct objects of interest on store shelves
- Increased sales representatives' efficiency by 12.5%
- Extended the application onto wearable/embedded devices

### Academic Researcher | Sheridan College

Jan 2015 – Dec 2015

- Researched different wearable devices to identify areas which wearable devices can help aid and improve within academia to increase proficiency and encourage learning

## 🎓 Education

### Hons. Bachelor of Computer Science | Sheridan College

Sept 2014 – Apr 2019

- Thesis: Developed a HoloLens augmented reality app (C#) allowing for medical professionals to better plan surgical procedures, and enable real-time collaboration
- The app reads DICOM files (CTs, MRIs, etc.) then reconstructs the scanned organ in an interactive 3D model
- Team lead for 3-person team competing in Microsoft's Imagine Cup, building an app to assist disabled citizens

### Electrical Engineering | University of Ontario Institute of Technology (UOIT) 2012 - 2014

- Completed 60 credits towards Hons. Bachelor of Electrical Engineering including courses such as: Electrical Engineering Fundamentals, Electronics, Circuit Analysis
- Experience with lab equipment such as oscilloscopes
- Mentored high school FIRST Robotics Team

## 🔧 Programming Languages

- C#
- C++
- Java
- JavaScript
- .NET
- SQL
- Swift
- Python

## 🔧 Tools and Technology

- MATLAB
- Unity
- MySQL
- Bluemix
- GitHub
- AWS
- Google Cloud Platform

## 🔧 Skills & Abilities

- SDLC, OOD, MVC, Agile
- Motivated and passionate
- Fast learner
- Reliable and professional
- Time management, organized
- Team player and independent
- Confident and articulate

## ☰ Achievements

Selected to showcase projects to:

- Tim Cook (Apple CEO)  
Jan 23, 2018
- Hon. Deb Matthews (Minister of Advanced Education and Skills Development)  
Jan 17, 2017

Mobile Computing Symposium  
Competition – First Place  
Sheridan | Oct 25, 2016