

# Justin Toh

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## WORK EXPERIENCE

### ARISTA NETWORKS | Software Engineering Intern

May 2017 - Aug 2017

- Worked on Arista CloudVision Telemetry web application using React, Redux, D3 and WebSockets.

### LEDGERDOCS | Web Application Developer Co-op

May 2016 - Aug 2016

- Worked on LedgerDocs web application using the LAMP stack & CodeIgniter Framework.
- Shipped features: Realtime dashboard & revamping existing integration with QuickBooks Online.

### GENERAL ELECTRIC | Design Verification Co-op

May 2015 - Dec 2015

- Wrote python scripts to automate EERPOM & Flash memory chip programming.
- Developed firmware & drivers for ARM-based MCU to interface with vendor PHY Chip.

### REPUBLIC OF SINGAPORE AIR FORCE

163 Squadron - Tactical Control Officer

Jan 2012 - Dec 2012

## PROJECTS

### TRAILSEC | Class Project, Team of 4 Students

Security Guard Monitoring System

- Developed firmware & drivers for Nios II processor to interface with external peripherals (Bluetooth, GPS etc.)
- Built a web application to receive & display the security guard's location in real-time using Vue.js, Google Maps API & Firebase.

### POMODORI | Personal Project

Pomodoro Timer (Progressive Web App)

- Uses the pomodoro technique to help users to manage their time by breaking down work into intervals.
- Utilized Service Worker API to provide offline functionality & create web push notifications.

## EDUCATION

### UNIVERSITY OF BRITISH COLUMBIA

BASc Computer Engineering  
Graduating in May 2018

## SKILLS

### LANGUAGES

C • Java • JavaScript • PHP • Python

### FRONTEND DEVELOPMENT

CSS / Sass • D3 • Gulp • HTML •  
React • Redux • Vue • Webpack •  
WebSockets

### BACKEND DEVELOPMENT

CodeIgniter • Express.js • Firebase •  
Node.js • MongoDB • MySQL

## LINKS

[github.com/tohjustin](https://github.com/tohjustin)

[linkedin.com/in/tohjustin](https://linkedin.com/in/tohjustin)

[tohjustin.github.io](https://tohjustin.github.io)