

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

COINCHARTS | coincharts.now.sh

Cryptocurrency Price Chart

- Built an interactive cryptocurrency price chart based off coinbase.com/charts using React.js, D3.js & Coinbase API.

TRAILSEC | cpen391-trailsec.firebaseio.com

Security Guard Monitoring System (Class project, Team of 4)

- 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 | pomodori-pwa.firebaseio.com

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 • Sketch • Vue •

Webpack • WebSockets

BACKEND DEVELOPMENT

CodeIgniter • Express.js • Firebase •

Node.js • MongoDB • MySQL

LINKS

github.com/tohjustin

linkedin.com/in/tohjustin

tohjustin.github.io