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.firebaseapp.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.firebaseapp.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