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# YAMEN TAHA

## SOFTWARE ENGINEER

## SKILLS

### PROGRAMMING

Experienced: JS • Typescript • Java

Proficient: Python • Django • C • C# • C++ • ARM Assembly

### TOOLS / FRAMEWORKS

React • Redux • NodeJS • Express • KOA • MySQL • MongoDB • DynamoDB • ElasticSearch • GCP • Firebase • AWS • Openshift • Docker • Terraform • Git • Gitlab

### SOFTWARE

Figma • Unity • Adobe Suite • Altium • LTSpice • PSIM • MATLAB • LabView • SolidWorks • Blender • ModelSim • QuartusII

### ELECTRICAL/HARDWARE

DMM • Sig.-Gen. • Oscilloscope • PCB Design • AC/DC Circuits • PID Control systems • Microcontrollers • 3 Phase Power system • Transformers • Power Electronics • FPGAs • Batteries

## EDUCATION

### University of British Columbia

Bachelor of Applied Science  
Electrical Engineering - Biomedical specialization

Graduation date: May 2019

## AWARDS

- 2017** 3rd Place, 21st International Conference on Engineering Design
- 2016** \$25,000 McEwan prize Finalist
- 2015** Chancellor's Scholar Award designation (UBC)
- 2014** Outstanding International Student Awards (UBC)

## WORK EXPERIENCE

### Amazon Web Services

Jun 2022 - Present

#### Software Development Engineer

- Led the security review process for the service, ensuring compliance with AWS's high security bar by coordinating penetration testing efforts and producing required documents.
- Developed a major feature enabling customer data encryption.
- Improved the performance and reduced build times of the product by simplifying its code base through the removal of redundancy, tech debt and deprecated features.

(Java • AWS • Git)

### TELUS

Aug 2019 - Jun 2022

#### Software Engineer

- Full-stack engineer in Core Network Engineering team responsible for designing and building front-end applications and enterprise REST APIs for Cellular Network Automation
- Led a team of developers migrate a full-stack application onto GCP
- Collaborated with management and stakeholders to design and implement new features across multiple applications.
- Onboarded and mentored new developers

(React • Typescript • NodeJS • KOA • Openshift • GCP • Git)

### CADEX ELECTRONICS

JAN 2018 - AUG 2018

#### Hardware Engineer Co-op

- Redesigned a DC Protection Board with 20x cost reduction whilst maintaining performance
- Recognized the need for and designed a company wide testing tool to automate Hardware tests with an easy to use GUI

(PCB Design • Power Electronics • Altium • LTSpice • Python • SVN)

## PROJECTS

### HOLO-PELVIS

SEP 2018 - APR 2019

- Collaborated with a team of five to build an AR Educational App on Microsoft HoloLens for UBC Faculty of Medicine
- Tracked real life pelvis to overlay CG superficial anatomy using combination of IMU Hardware and object tracking algorithms

(C# • C • Unity • UWP • BLE • Vuforia AR • Git)

### RESP. RATE MONITOR

FEB 2016 - DEC 2017

#### Technical Lead, Biomedical Engineering Student Team

- Co-lead a team of students to build a low cost, respiratory rate monitor device for pediatric hospitals in developing countries
- Mentored younger students; helped them learn soldering, coding, prototyping, debugging and other skills

(C • Python • MATLAB • Git)