

KELVIN TEZINDE

☎ (250)-419-2709

✉ ktezinde@edu.uwaterloo.ca

in ca.linkedin.com/in/keltez

TECHNICAL SKILLS

SOFTWARE

- ReactJS, Spring, OpenCL
- Python, MATLAB, SQL
- Unix Shell, Git, make

HARDWARE

- Arduino, PLC, LoRa
- EAGLE, LTspice
- AutoCAD, SOLIDWORKS

TOOLS

- 3SL Cradle, UDE 4.6
- Atlassian Suite
- WordPress, Azure

EXPERIENCE

ASSOCIATE SOFTWARE ENGINEER | PUBLICIS SAPIENT

OCT 2020 – PRESENT

- Worked with client to transfer email campaigns from **Salesforce** to **AEM**, converting over 60 campaigns
- Developed tools for the quick creation of email campaigns, building components with **Spring**, and **HTL**
- Built a shopping list POC web app for navigating a store with COVID guidelines, using **React** and **Amazon RDS**

FIRMWARE ENGINEERING INTERN | BORGWARNER

MAY – AUG 2019

- Designed and implemented two **ASIL C** components for a vehicle's inverter module using **Simulink** and **C**
- Performed **UDS** security level testing on a customers' ECU implementation of **AES-128**, utilizing **UDE 4.6**
- Wrote unit tests for multiple motor control components, applying **MISRA** static analysis through **Parasoft C**

SOFTWARE DEVELOPER INTERN | LOCALCOIN

SEPT – DEC 2018

- Created multiple WordPress plugins and modules, increasing marketing page building speeds by up to **3x**
- Built dynamic landing pages, using **PHP** & **Google AdWords** geotargeting, improving conversion rates by **20%**

ENGINEERING INTERN | WATERLOO

MAY – AUG 2017

- Developed the vehicle's real-time health monitoring system, via **Arduino** & **Raspberry Pi**, to grab sensor data
- Designed logic circuits that monitor and change the vehicles different states of motion, such as braking

QUALITY ASSURANCE INTERN | Q4 INC

SEPT – DEC 2016

- Led the development of a new, more robust test suite using **JUnit**; testing efficiency increased by **50%**
- Performed **XSS** testing, such as **JavaScript** and **SQL Injection**, to pinpoint possible site security flaws

PROJECTS - *My GitHub*

IOT PROJECT – SMART PILL BOTTLE | FEB – APR 2020

youtu.be/l2iu00l8-W8

- Built the **Android** app for an Arduino smart pill dispenser that tracks user adherence, using **dart** and **flutter**

CAPSTONE PROJECT – SLAP. | SEPT 2019 – MAR 2020

bit.ly/2Xi7Qw9

- Built a network of unobtrusive **IoT** sensor pods for detecting parking lot trends and occupancy via **LoRa**
- Project won a monetary award; **The Voelstalpine Award for Design Elegance**

EDUCATION

- BAsC Mechatronics Engineering, **University of Waterloo**, 2020 Graduate