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Adam Seeto

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EDUCATION

University of Waterloo — **Waterloo, Ontario, Canada**
Bachelor of Applied Science in Honours Computer Engineering — **Sep 2013 – Apr 2018**
- University of Waterloo President's Scholarship (2013)

TECHNICAL SKILLS

Programming
- Java
- C/C++
- Python
- HTTP/CSS

Hardware
- Schematic Design
- Surface Mounted Soldering

Oscilloscope Experience
- Physical Timing Analysis
- Signal Verification
- Power Testing

Embedded Systems
- Arduino Nano/Uno
- NXP MPC57xx (Calypso)

Communication Protocols
- SPI
- I^2C
- UART

EXPERIENCE

Ford Motor Company — **Kanata, Ontario, Canada**
Hardware Verification Engineer — **Sep 2017 – Dec 2017, Aug 2018 - Present**
- Validate any and all circuitry both on the theoretical schematic and on the real boards.
- Circuits ranged from switched mode power supplies (SMPS), buck and boost circuits, linear regulators, and serial communication interfaces.
- Performed line and load regulation as well as temperature testing on the power circuits.
- Assisted software teams by soldering specific hardware configurations for testing and created test adapters for peripheral emulation.
- Helped debug any and all issues by analyzing the necessary digital and analog signals to find the root of the issues.
- Created python scripts to automate power testing by using GPIB connections.

Evertz Microsystems — **Burlington, Ontario, Canada**
Project Engineer — **Jan 2017 – Apr 2017**
- Setup and maintained customer requested media asset management systems.
- Used Evertz products to host servers and configure their networks and file storage systems.
- Create and modify javascript scripts and configuration files based on customer needs.
- Configured internal tool to match the configurations requested by customers.

Lotlinx Inc — **Hamilton, Ontario, Canada**
Junior Developer/QA Analyst — **Sep 2015 – Dec 2015, May 2016 – Aug 2016**
- Implemented a central log management system in Java for dynamic log notifications via e-mail.
- Developed Java processes to analyze data artifacts received from customers.
- Overlooked production level processes across different servers.
- Created cron jobs to clean up and organize server storages.
- Maintained and created JUnit tests and used Jenkins to run tests and other processes.

ACADEMIC PROJECTS

SleepyZzz: Infant Health Monitor
An embedded device that is placed on a baby which monitors its position, heartrate, and temperature.
- Designed an embedded system with chosen parts based on outlined system requirements.
- Designed Arduino to an ESP8266 Wifi module communications using AT commands to send data.
- Used communication protocols I^2C to communicate with peripheral components.

PERSONAL PROJECTS

Website
- Learned HTML and CSS on my own to create my own website hosted on github (anseeto.github.io)

Quadcopter
- Used an Arduino Uno to control peripheral interfaces such as motors and an accelerometer.
- Researched flight control system to control the motors and fly.