

Experience

- *Consultant* 2015 – present
 - X by 2, Farmington Hills MI
 - Client project: Claims System for a Fortune 500 property & casualty insurer
 - Reimplemented the process of ingesting documents from an auto appraisal vendor, leading to much cleaner code and reduced occurrence of errors
 - Worked with other IT departments (e. g. Enterprise Content Management and Financial Systems) to debug integration points
 - Solved production issues and assisted with handling end user complaints
 - Analysed vendors for an internal consulting project to select a SaaS applicant tracking and HR system to replace various home grown applications
- *Research Assistant* 2013 – 2015
 - Kettering University Department of Computer Science, Flint MI
 - Organised lab activities for CS491 High-Speed Networking and Distributed Applications course
 - Configured OpenFlow switches for Kettering's Laboratory for Advanced Network Applications
 - Developed and tested OpenFlow controller applications and routing algorithms for the Reliable Communications Protocol
- *Student Caller* 2012 – 2015
 - Kettering University Department of Customer Service and Programs, Flint MI
 - Invited prospective students to Kettering open house events
 - Assisted in directing self-guided tour traffic during open house events
 - Followed up with event attendees by phone calls and postcards
- *Software Engineering Co-op* 2012
 - Livio, Ferndale MI
 - Developed iOS apps and backend network code for trade show demonstrations
 - Maintained client-facing documentation of Livio APIs
- *Software Engineering Co-op* 2010 – 2012
 - New Eagle, Ann Arbor MI
 - Implemented PC applications to interact with embedded control units
 - Created HMI applications to run on embedded display hardware
 - Assisted product managers in evaluating candidate products for distribution
 - Assisted in preparing product marketing materials and internal and external documentation

Education

- *Coursework toward BS Computer Science, BS Computer Engineering* 2010 – 2015
 - Kettering University, Flint MI
 - Systems and Data Security concentration
 - International Studies minor

Skills

- *Computer related*
 - *Programming languages* Java; Python; JavaScript; shell script; \LaTeX ; C (desktop & embedded); C#
 - *Operating systems* Linux (desktop & embedded); Windows
 - *Networking* Ubiquiti EdgeOS; OpenWrt; TCP/IP
 - *Collaboration* Git, Github; AccuRev; JIRA; Trac; SVN
 - *Frameworks* Apache Camel, Windows Forms, WPF
 - *Development environments* Eclipse; Visual Studio
- *Technical*
 - *Electronics* Test equipment (e. g. oscilloscopes, function generators); hand soldering (through-hole & SMD)
 - *Automotive* CAN, J1939, NMEA2000, OBD2; J1587; basic maintenance & repair