

ALISON

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Education

- *BS Computer Science; BS Computer Engineering* *2010 – present*
 - Kettering University, Flint, MI
 - Thesis: *Developing a Reliable Communications Protocol for Advanced Manufacturing*
 - Systems and Data Security concentration
 - International Studies minor
 - Current Senior III
 - Expected graduation date: fall 2015

Experience

- *Research Assistant* *2013 – present*
 - 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 – present*
 - 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 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 embedded display applications using the CanTrak SDK
 - Advised product managers on candidate products for distribution
 - Assisted in preparing product marketing materials and internal and external documentation

Skills

- *Technical*
 - *Electronics* Test equipment (e. g. oscilloscopes, function generators); hand soldering (through-hole & SMD)
 - *Automotive* CAN, J1939, NMEA2000, OBD2; J1587; basic maintenance & repair
- *Computer related*
 - *Networking* OpenWrt; OpenFlow; TCP/IP; Bonjour
 - *Operating systems* Linux (desktop & embedded); Windows
 - *Hardware platforms* x86/x86-64; embedded MIPS; embedded ARM; SPARC
 - *Programming languages* Python; shell script; L^AT_EX; C (desktop & embedded); C#; Objective-C; Java
 - *Collaboration* Git, Github; Trac; SVN; Salesforce
 - *Web technologies* MediaWiki; Facebook Page administration; Octopress
 - *Frameworks* Pox, Windows Forms, WPF
 - *Development environments* Visual Studio; NetBeans