

Alison

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Experience

2013 – PRESENT

Kettering University Department of Computer Science, Flint, MI

Research Assistant

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.

2012 – PRESENT

Kettering University Department of Customer Service and Programs, Flint, MI

Student Caller

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 post-cards.

2012

Livio, Ferndale, MI

Software Engineering Co-op

Developed iOS apps and network code for trade show demonstrations. Maintained client-facing documentation of Livio APIs.

2010 – 2012

New Eagle, Ann Arbor, MI

Software Engineering Co-op

Implemented PC applications to interact with embedded control units. Created graphical display applications for embedded systems. Advised product managers on candidate products for distribution. Assisted in preparing product marketing materials and internal and external documentation.

Education

2010 – PRESENT

Kettering University, Flint, MI

BS Computer Science; BS Computer Engineering

Systems and Data Security concentration

International Studies minor

Thesis: *Developing a Reliable Communications Protocol for Advanced Manufacturing*

Current Senior III; expect to graduate fall 2015

Skills

PROGRAMMING LANGUAGES Python;
shell
script;
L^AT_EX; C
(desktop
& embed-
ded); C#;
Objective-
C;
Java

NETWORKING OpenWrt;
Open-
Flow;
TCP/IP;
Bonjour

OPERATING SYSTEMS Linux
(desktop
& embed-
ded);
Windows

HARDWARE PLATFORMS x86/x86-
64;
embedded
MIPS;
embedded
ARM;
SPARC

COLLABORATION Git,
Github;
Trac;
SVN;
Salesforce

WEB TECHNOLOGIES MediaWiki;
Facebook
Page
adminis-
tration;
Octopress

FRAMEWORKS Pox,
Windows
Forms,
WPF

DEVELOPMENT ENVIRONMENTS Visual
Studio;
NetBeans

ELECTRONICS Test
equip-
ment (e.
g. oscillo-
scopes,
function