

ERIK W. CARLSON

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SUMMARY

- Offering a foundation in Computer Science and programming principles across multiple platforms.
- Experience in object-oriented programming; developing, testing and debugging code; designing interfaces; and administering systems and networks.
- Quick to learn and master new technologies; successful working both team and self-directed settings.

EDUCATION

Bachelor of Science in Computer Science

Expected Graduation: May 2017

University of New Hampshire – Durham, New Hampshire

Courses Included:

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| Data Structures | Object-Oriented Design and Development |
| Assembly Language Concepts and Machine Design | Introduction to the Theory of Computation |
| Programming Language Concepts and Features | Introduction to Human Computer Interaction |
| Compiler Design | |

EXPERIENCE

Software Engineer Intern

May 2016 – August 2016

Pegasystems Inc. – Bedford, New Hampshire

- Participate in team design discussions, user story grooming, review and retrospective meetings.
- Debug and maintain existing code base, including fixing customer facing issues.
- Design and implement user interface features to be used in customer relationship management and business process management software.

Skills Used: Scrum, Java, JavaScript, TypeScript, HTML5, CSS3

IPsec and IKEv2 Technician

May 2014 – May 2016

University of New Hampshire Interoperability Lab – Durham, New Hampshire

- Create cyber-physical systems for use in IPv6 test beds.
- Perform IPsec Interoperability and Conformance testing on devices using standards created by the Internet Engineering Task Force.
- Perform IKEv2 Interoperability and Conformance testing on devices using standards created by the Internet Engineering Task Force.
- Participate in committees that manage operation within the company.

Skills Used: Networking, Cyber Security, Computer Maintenance

Shift Manager

September 2012 – May 2014

McDonalds – Derry, New Hampshire

- Delivered premium customer service and attracted repeat customers.
- Directed floor operations and work schedules for employees.
- Calculated hourly profit margins and financial gain or loss from daily operation.

Skills Used: Communication, Leadership, Management

PROJECTS

Natural Gesture Authentication Network

May 2016 – Present

- Being built as a Senior Project to accurately detect handshakes using commercial smartwatches to further human to human interaction.

Skills Used: Java, Android Studio, Android, Python3

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August 2016 – Present

- Built to gain knowledge of Web Development.
- Built using Bootstrap and is hosted using Github Pages.

Skills Used: Bootstrap, HTML5, CSS3, JavaScript

TECHNOLOGY SUMMARY

Programming Languages: Java, C, C++, Python3, HTML5, CSS3, JavaScript, TypeScript, Bash

Tools: Atom, Eclipse, Xcode, Android Studio, Sublime Text, Vim, Emacs

Operating Systems: Linux, Mac OSX, Windows