

# 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:

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

### carlson-erik.github.io

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