

# Neel Kowdley

## Education

August 2012 - December 2016 **Bachelors of Science in Computer Engineering, University of Pittsburgh, Pittsburgh, PA.**  
GPA: 3.20

## Work Experience

January 2017 - Present **Associate Software Engineer, ZOLL LifeVest, Pittsburgh, PA.**  
◦ Working on continuing support on the current generation of LifeVests.  
◦ Creating a new data management system for the next generation LifeVest.

August 2016 - December 2016 **CERT Intern, Carnegie Mellon University-Software Engineering Institute, Pittsburgh, PA.**  
◦ Creating a run book to set up a server which performs network boots for use in production environments.

June 2016 - August 2016 **Technology Summer Analyst Program, BNY Mellon - iFX Platform, Pittsburgh, PA.**  
◦ Supported the development team by adding new file formats to the application.  
◦ Worked on integrating security scans into the development workflow.

Fall 2013, Spring 2014, Fall 2014, Spring 2016 **Student Tech Crew, University of Pittsburgh School of Pharmacy, Pittsburgh, PA.**  
◦ Update the School of Pharmacy's website through the use of Adobe Dreamweaver and Photoshop.  
◦ Monitor email lists and edit privacy settings and provide other administrative computer support.

3 Rotations from May 2014 - December 2015 **Test Engineering Co-op, ZOLL LifeVest, Pittsburgh, PA.**  
◦ Performed official FDA Tests on new versions of software, and ran unofficial and official tests on new hardware.  
◦ Investigated issues that occur in the field with our device, and proposed solutions to solve these issues.  
◦ Collaborated closely with Software and Human Factors Engineers in order to formulate test cases and verify the correct procedures for test cases.

## Relevant Coursework

- COE 1502 Advanced Digital Design
- CS 1530 Software Engineering
- CS 1632 Software Quality Assurance
- COE 1550 Operating Systems
- CS 1520 Web Applications
- CS 1645 High Performance Computing
- COE 1501 Algorithms
- COE 445 Data Structures
- COE 0041 Linear Circuits and Systems 2
- ECE 1180 Computational Modeling and Simulation

## Skills

Programming Languages Java, C, JavaScript, PHP, Python, HTML, Rust  
Technologies Linux, Git, JUnit, Selenium, SQL

## Volunteer Experience

January 2014 - May 2014 **Theta Tau, Fundraising Chair.**  
◦ Led and planned fundraising events and activities for charities such as Boys and Girls Club, and Leukemia and Lymphoma Society.

April 2012 **Eagle Scout Project, Project Leader.**  
◦ Planned out and executed a beautification project at the Air Force Memorial in Arlington, VA planting nearly \$11k worth of plants

## International Experience

May 2013 **Plus 3 China, Study Abroad.**  
◦ Observed and learned about different manufacturing processes and business strategies of different companies in China

## Activities

November 2014 - December 2016 **Hackathons, Participant in 9 hackathons.**

January 2016 - May 2016 **Intel Cornell Cup, Honorable Mention, Autonomous Drone Platform.**