Neel Kowdley

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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.
- Creating a new data management system for the next generation LifeVest Wearable Defibrillator which will collect patient data on the device and send it to the cloud. As part of the system I helped to develop a consumable API on the LifeVest to collect and transmit data. I also set up endpoints in the cloud to receive and route the data to our data lake.
- Working on continuing support for the current generation of LifeVest Wearable Defibrillators.
- Serving as a Scrum Master for my team, which involves running our sprint meetings, and helping my team follow the scrum process.

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.
- Preformed 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.

Skills

Programming Languages — C++, C, Python, PHP, JavaScript, Java, Rust

Technologies — Linux, Git, SQL

Certifications — Scrum Alliance Certified Scrum Master, Udacity Self Driving Car Engineer Nanodegree

Relevant Coursework

- *COE 1502* Advanced Digital Design
- *CS 1530* Software Engineering
- *CS 1632* Software Quality Assurance
- *CS 1645* High Performance Computing
- *COE 1550* Operating Systems
- *ECE 1180* Computational Modeling and Simulation

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

Activities

Fall 2014 - Fall 2016 **Hackathons**, *Participant in 9 hackathons*.

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