

Neel Kowdley

Education

August 2012 - December 2016 **Bachelors of Science in Computer Engineering**, *University of Pittsburgh*, Pittsburgh, PA.
GPA: 3.275

Work Experience

- October 2019 - Present **Senior Software Engineer**, *Store No. 8 / Walmart New Product Innovation*, New York, NY.
- Actively working on the Smart Reorder Service, which learns a customer's grocery habits and places orders for them so they never run out of essentials.
 - Released Smart Reorder as a public beta at walmart.com/smartreorder.
 - Migrated our microservice architecture onto Walmart's Native Cloud Platform (WCNP).
 - Built a robust system for automating and placing checkouts on behalf of our customers.
 - Created the backend APIs to save our customer's account status, add to cart, and checkout preferences on the platform.
- January 2017 - September 2019 **Associate Software Engineer**, *ZOLL LifeVest*, Pittsburgh, PA.
- Created 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.
 - Worked on continuing support for the current generation of LifeVest Wearable Defibrillators.
 - Served 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.
- Created 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.

Skills

Programming Languages C++, C, Python, JavaScript
Technologies Linux, Git, SQL, Docker, Kubernetes
Certifications Scrum Alliance Certified Scrum Master, Udacity Self Driving Car Engineer Nanodegree

Activities

Fall 2014 - Fall 2020 **Hackathons**, *Participant in 9 hackathons, Volunteered at DivHacks 2020.*
January 2016 - May 2016 **Intel Cornell Cup**, *Honorable Mention*, Autonomous Drone Platform.
Spring 2014 - Fall 2016 **Theta Tau**, *Member*, Professional Engineering Fraternity.
April 2012 **Eagle Scout**, *Boy Scouts of America.*