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## Education

**MS in Computer Science**                                                                              GPA: 3.96/4.0
North Carolina State University, Raleigh, North Carolina                              May 2017

## Technical

- Languages: Java, C, C++, Ruby                              Android, iOS, GDK [Google Glass], JDK, AWS SDK
- Android Studio/ IntelliJ, REST, SOAP, MVP, MVC                 Sites: StackOverflow, GitHub, LinkedIn
- Tools: AWS, DigitalOcean, Redis, Ansible, Jenkins, Randoop, NodeJS, Twilio

## Coursework

- DevOps, Object Oriented Design & Development, Machine Learning, Internet of Things, Design and Analysis of Algorithms, Computer Networks, Compiler Construction, Data Intensive Computing, Advanced Data Structures

## Experience

**Product Management Intern**, **VMWare AirWatch, Atlanta**                              May 2016 – Aug 2016
- Designed the browser performance benchmarks, identified the blocking features and coordinated with the development team to to achieve higher throughput and lower latency.
- Identified features in new versions of Android and iOS, presented use-cases encompassing different products of Enterprise Mobility Management which would improve the product.

**Software Developer cum Team Lead**, **Meditab Software Inc., India**                              Nov 2012 – Jul 2015
- Designed Android apps for health care providers which allows them to view/add/update patient details.
- Developed Google Glass apps for medical practitioners to make retrieving patient's details more efficient.
- Implemented authorization in drug dispense mechanism in robotic environment using Arduino boards**.**
- Streamlined product features, planned project milestones by coordinating with teams across the organization. Strategically designed tasks for a team of 7 members, resulting in a product with structured development.

## Projects

- **DevOps CI/CD Pipeline:** Automated build process in response to commit via Jenkins GitHub Plugin. Post build process, test and analysis was performed and detailed coverage report was generated. Deployed the robust code in automated way to the production environment and configuration was done via Ansible. CPU performance was monitored and automatic scaling took place if required. Green/ Blue deployment strategy and canary planning ensured smooth deployment and rollback.
- **Door motion detection**: Recognized door motion event by interfacing IMU with Raspberry Pi, transmitting the sampled data to IBM Bluemix which hosted SVM model. The model predicted and published change event.
- **IMSGo:** Developed Android and Google Glass apps for healthcare practitioners. Apps make use of Android/ Google Glass SDK and communicate over HTTPS via RESTful services. Design and architectural brainstorming in the initial design stage makes the app scalable. Other applications: FAA, Patient Care, mRx
- **Open source project:** Contributed to Expertiza project by incorporating RSpec and Capybara tests. Expertiza is a peer learning system used by many universities. Improved the architecture by following the MVC pattern.