

# Alay Deliwala

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## EDUCATION

**North Carolina State University** Raleigh, NC

Expected Graduation - **May 2020**

Bachelor of Science in Computer Science **GPA: 3.66/4.0 Major GPA: 4.0/4.0**

**Relevant Coursework:** Intro to A.I., Computer Architecture, Software Eng, Cloud Computing & Automated Learning (ML)

## SKILLS & PROJECTS

**Languages & Frameworks:** Java, C, Python, JavaScript, React/React-Native, x86/ARM assembly

**Technologies:** Spring, Hibernate, Git, Perforce, Docker, Maven, MySQL, OpenShift, JUnit

**iTrust2:** Worked on the backend of a semester-long Software Engineering course project.

(Java, Maven, Spring, Hibernate, MySQL)

**Genius-Repetition-Visualizer:** A song repetition visualizer that utilizes self-similarity matrices and the Genius API.

(Python)

## TECHNICAL EXPERIENCE

**Software Engineering Intern**

May 2019 – August 2019

*Salesforce.com, Inc.*

- Developed a new JS lightning web component that allows users to view 3<sup>rd</sup> party apps within the Salesforce platform
- Rearchitected parts of Salesforce core to improve platform security
- Contributed to Salesforce Core and LWC open source repo by submitting reviewed code via Perforce and Git

**Undergraduate Researcher**

January 2019 – May 2019

*NC State Computer Science Department*

- Worked with a supplemental learning platform for students taking introductory CS classes called TYPOS
- Developed python scripts to parse and normalize over 6,000 entries of student Jenkins and git commit data
- Analyzed student data using n-grams and python to visualize the correlation between build status and TYPOS

**Technology Development Program Intern**

May 2018 – August 2018

*UnitedHealth Group Inc.*

- Served as the lead backend developer in a scrum driven team to develop LYNX, a mobile application designed to improve communication between clinicians, their patients, and hospitals
- Designed and developed a MySQL database and a web API using Spring-boot and deployed application using Docker and OpenShift/Kubernetes
- Presented on Java Spring-Boot and MySQL via Hibernate for a companywide Manic Monday speaker series

**Technology Development Program Intern**

May 2017– August 2017

*UnitedHealth Group Inc.*

- Actively contributed in a small agile team to develop of Medi-Drone, a drone-based prescription delivery service
- Developed a mobile application using React-Native and built a website using ReactJS
- Created market strategies, did market analysis and participated in pitch presentations

## PROFESSIONAL DEVELOPMENT

**Computer Science Department Ambassador**

May 2018 - Present

*NC State Computer Science Department*

- Strengthen leadership, communication, and networking skills by representing the Computer Science department at academic, social and networking events throughout the academic year.

**Sangeet Saagar Director 2019**

July 2018 – May 2019

*Delta Sigma Iota Fraternity, Inc.*

- Led a team to put on the 5<sup>th</sup> annual colligate South Asian a cappella competition - "Sangeet Saagar" at NC State
- Sold over 500 tickets and raised approximately \$5,000 for our charity, The Movember Foundation

**President**

May 2018 – May 2019

*EKTAA: NC State's South Asian Student Association*

- Organized and led various cultural and social events on campus as well as throughout the Raleigh Triangle area
- Oversaw improving marketing and internal organization to increase member interaction with 200+ members