

## EDUCATION

### University of North Carolina at Chapel Hill

B.S. Computer Science 2020  
Statistics Minor  
GPA | 3.37

## SKILLS

**PROGRAMMING LANGUAGES/Frameworks:** Java, Python, C, HTML/CSS, JavaScript, JQuery, Ionic, R

**TECHNOLOGIES:** Git, SQLite, Excel

**COURSEWORK:** Computer Organization, Data Structures, Models of Languages, Linear Algebra

**FALL COURSEWORK:** Web Programming, Files and Databases, Optimization, Statistical Methods

## EMPLOYMENT

### UNC VISUAL ANALYTICS AND COMMUNICATIONS LAB Health Informatics Research Assistant

Chapel Hill, NC  
Aug. 2018 to Current

- Worked on NSF-funded Contextual Visualization project to create high-dimensional data visual analytics tool
- Created interactive, 2-handle range slider in JavaScript using SVG to dynamically update data visualizations
- Integrated d3-tip tooltips for D3.js data visualizations to provide essential viewing functionalities to models

### TOWN OF CHAPEL HILL Open Data Intern

Chapel Hill, NC  
May 2018 to June 2018

- Automated extraction of Twitter data using Twitter Streaming API and Tweepy in Python
- Retrieved and parsed air quality data from PurpleAir API to integrate with third-party software
- Wrote efficient Python logging scripts for JSON to CSV conversion for data manipulation

### UNC OASIS Student Computer Support Technician

Chapel Hill, NC  
Aug. 2017 to May 2018

- Provided systems administration solutions to departments, programs, and faculty
- Resolved ~5 weekly tickets as the primary point of contact for workstation computer issues
- Installed and maintained 30+ Windows computers, including configuring and monitoring

## PROJECTS

### CODE FOR GOOD HACKATHON (1ST PLACE)

Oct. 2018

- Developed web application to provide a social network for LGBTQ+ workplace organizations
- Utilized Flask framework to create a RESTful API to interact with Google Firebase server
- Utilized Google's search API to recognize keywords and categorize website resources

### RADIOLOGIC NURSING APP

June 2018 to Aug. 2018

- Developed cross-platform app using Ionic framework to increase accessibility of medical algorithms
- Wrote custom Angular plugin that integrated Cordova native application components to view in-app files
- Integrated Angular and HTML, CSS, and JavaScript to create a fluid user interface

### SENTIMENT ANALYSIS WEB TOOL

Dec. 2017 to Jan. 2018

- Implemented user input text processor for sentiment analysis using TextBlob in Python
- Created RESTful API using Flask to dynamically render visual output from trained classifier
- Implemented responsive web design with HTML, CSS, and JavaScript to create attractive user interface

## ACTIVITIES

### UNC COMPUTER SCIENCE DEPARTMENT · Student Ambassador

Jan. 2018 to Current

- Led monthly student panels to increase communication between the department and students
- Conducted bi-weekly department tours for new students, schools, companies, and guests
- Served as a liaison to visiting business professionals and companies

### UNICEF AT CAROLINA · Public Relations Chair

Jan. 2018 to Current

- Managed all social media and newsletters, led to 10% increase in following activity since taking the position
- Organized and planned annual publicity campaigns on campus to reach a wider audience
- Pushed benefits and fundraisers to a biweekly basis to increase club resources