

## EDUCATION

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**University of North Carolina, Chapel Hill**  
Computer Science, B.S. and Mathematics, B.S.

August 2018 - May 2022  
Cumulative GPA: 3.9

### Coursework

Files and Databases | Modern Web Programming | Quantum Computing | Computer Organization |  
Data Structures | Foundations of Programming | Discrete Mathematics | Differential Equations

## EXPERIENCE

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### UNC Summer of Code

Summer 2020

*Full-Stack Developer*

- Created UNC-CS Resume Database, an application allowing UNC-CS corporate partners to easily view and filter through students' resumes to aid in recruiting
- Worked with team members to design the UI/UX of the application using **Figma**, then implemented the design using **React**
- Implemented the backend using **Firebase's NoSQL Database** to allow querying based on desired attributes such as graduation year, major and programming languages

### UNC-CH CS Dept.

Spring 2020

*Computer Organization Learning Assistant*

- Assisted the professor in the creation of weekly quizzes to test knowledge of low level computing concepts
- Answered student questions during office hours and through an online forum
- Assisted students in debugging **C/MIPS** code

### Computer Science + Social Good

Spring 2020 - Current

*Project Manager / Developer*

- Worked with team members to develop MindAboveMatter.org, a website that serves as a directory of mental health resources at UNC powered by **Python Flask** and **Javascript**
- Leading a team of 15 students in the creation of an inventory management system for Carolina Closet using **React** and **Sequelize**

### UNC Cybersecurity Club

Fall 2019 - Current

*Co-President / Treasurer*

- Participated as a team member in various CTFs and Hack the Box cybersecurity challenges
- Taught basic cybersecurity concepts through club held lectures
- Pen-tested UNC-CS Resume Database with other club members before its release to UNC-CS students

### Winek Clinic

Summer 2020

*Web Developer*

- Created winekclinic.com, a website displaying information about the practice
- Worked with a colleague to design the UI/UX of the site using **Figma**
- Implemented the design using **Gatsby** which utilizes **React's** templating engine
- Created animations for the site using the **React Spring** npm package

## PROJECTS

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### Drake Lyrics Machine Learning Based Generator

Spring 2020

- Collected all lyrics from Drake's discography using the **Beautiful Soup** Python library
- Trained a generative model using **Python Keras** to generate lyrics in Drake's style
- Built a frontend for this model to allow users to generate their own lyrics with **Python Flask**

## SKILLS

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**Proficient:** Java, HTML, CSS, Javascript, React, Git/Github, Web Development

**Familiar:** Python, Flask, Gatsby, Firebase, MIPS, Figma, Linux, Keras, NoSQL