

# CATHERINE MILANO

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## SUMMARY

Software engineer with an educational background in Textile Engineering from NC State University and a recent graduate from the UNC Coding Bootcamp. Looking forward to applying the skills of my past work experiences and education such as problem solving skills, being a great team player, and being independently self motivated. Confident in bringing my passion for learning new technology, my creativity, and my core technical skills in full-stack web development to help your team achieve its goals.

## TECHNICAL SKILLS

**Frontend:** HTML5, CSS3, JavaScript, jQuery, Bootstrap, APIs, JSON, AJAX, GitHub,

**Backend:** Node Js, MySQL, MongoDB, Express, Handlebars.js & ReactJS

## PROJECTS

**Nights-In** | <https://github.com/JFunk1990/Nights-In> | <https://nights-in.herokuapp.com/>

- Allows for a user to create an account and invite others to participate to compete in customizable trivia games.
- Core Responsibilities: All formatting and styling in React, HTML5, Bootstrap, and CSS.
- Used: ReactJS, Bootstrap, HTML5, CSS, JavaScript, MySQL, Heroku, and Nylas.

**Dumbbells for Dummies** | <https://github.com/katemilano/project2> | [zsmith4331.github.io/project1-team4/](https://zsmith4331.github.io/project1-team4/)

- This project allows travelers to find information on their destination in one local hub.
- Core Responsibilities: Formatting HTML5 with Bootstrap and CSS and adding in Covid API.
- Used: HTML5, CSS, JavaScript, JQuery, Bootstrap, Weather API, Restaurant API, and Covid API.

**The Location Hub** | [github.com/zsmith4331/project1-team4](https://github.com/zsmith4331/project1-team4) | <https://project2-kate.herokuapp.com/>

- This project allows the user to search for exercise, generate a random exercise and save exercises to favorites.
- Core Responsibilities: All formatting and styling in HTML5, Bootstrap, and CSS; and using Express Handlebars.
- Used: HTML5, CSS, JavaScript, Express, HandleBars, AnimeJS, MySQL, Sequelize, and Exercise API.

## EXPERIENCE

**Cree Inc, Durham, NC**

2020

*Metrology Process Technician*

- Worked closely with the engineering team to develop and qualify new metrology and defect analysis processes and toolsets. This included characterizing, documenting, and presenting data based around designed experiments.
- Defined/refined methods to improve measurement repeatability and reliability to improve yields and reduce costs in the Wafer Fab.

**Hanesbrand, Raleigh, NC**

2018 - 2019

*Senior Design Capstone Project*

- Designed a 3D printed shoe midsole with auxetic structures using Solidworks and Rhino.
- Created our own unique testing methods for foams and auxetic structures in order to run compression modulus and cyclic compression tests.

**Hunter Douglas, Broomfield, CO**

2018

*Textile Engineering Intern*

- Wrote Google Script codes, created ongoing control charts, and organized data to analyze fabric testing in order to allow the quality team to automatically approve products; which created a more efficient system.

## EDUCATION

**Certificate in Full Stack Web Development:** University of North Carolina, Chapel Hill, NC

**Bachelors of Science in Textile Engineering:** North Carolina State University, Raleigh, NC