

# DANIEL CANTWELL

## Full Stack Developer

@ cantwell.nc@gmail.com

+1 828 390 4542

<https://github.com/cantwellnc>

[in linkedin.com/in/daniel-cantwell](https://www.linkedin.com/in/daniel-cantwell)

## EDUCATION

### UNC Chapel Hill

#### B.S. in Mathematics, Minor in Computer Science

August 2015 – May 2019 Chapel Hill, North Carolina

GPA = 3.45/4

### North Carolina School of Science and Math

#### High School

August 2013 – May 2015 Durham, North Carolina

GPA = 4.96/5

### Robert L. Patton High School

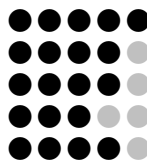
#### High School

August 2011 – May 2013 Morganton, North Carolina

GPA = 4.96/5

## SKILLS

JavaScript, Nodejs, Express  
MongoDB, MySQL, RESTful APIs  
Bootstrap, Semantic UI, CSS3, HTML5  
Java, Python, Haskell, Ruby, C  
Git, Latex



## EXPERIENCES

### Topological Data Analysis Research Assistant

#### UNC Chapel Hill Department of Mathematics

Sept 2018 – Feb 2019 Chapel Hill, North Carolina

### Math/Computer Science Tutor

#### UNC Chapel Hill Math Help Center

Sept 2016 – May 2019 Chapel Hill, North Carolina

### Webmaster and Routesetter

#### Progression Climbing and Fitness

Sept 2018 – Present Chapel Hill, North Carolina

### Expedition Guide

#### UNC Chapel Hill Outdoor Education Center

Jan 2017 – May 2019 Chapel Hill, North Carolina

## ACHIEVEMENTS

- Carolina Covenant Scholar
- Dean's List Recipient 2017-2018

## PROJECTS

### YelpCamp

- A full stack application built using Express, MongoDB, and Bootstrap that allows users to view, add, and delete new campsites and provide a rating for the site.

### Spotify Web Player

- Simple React application that uses Spotify's authentication protocol and API features to display pertinent information about a currently playing song (such as danceability, acousticness, and BPM).

### RGB Color Game

- Basic game to help front-end developers learn how to identify colors by their RGB value. Styled with Bootstrap.

### Personal Blog

- Lorem Ipsum blog built using Semantic UI, MongoDB, and Express to practice RESTful routing conventions.

### Patatap Clone

- Web app that maps key presses to sounds and animations on screen using Howl.js and Paper.js.

## COURSEWORK

- COMP116: Scientific Computing
- COMP401: Foundations of Programming
- COMP410: Data Structures
- COMP411: Computer Hardware and Design
- COMP550: Algorithms
- MATH547/676: Linear Algebra
- MATH535: Introduction to Probability
- Directed Reading Project on TDA and Signal Analysis