DANIEL CANTWELL

Full Stack Developer

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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
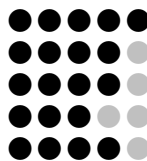
GPA = 4.96/5

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, Elm
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.

Interval Timer
- An interval timer designed for HIIT. In the process of building this, I learned about Promises, async/await, and the event loop in Javascript.

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