Angelo **Carrabba**

angelo@carrabba.io
(843) 290 9554
github.com/acarrab
angelo.carrabba.io

languages

extensive
C++
Python
Javascript
CSS/HTML
Typescript

proficient
C
Bash
C#
SQL
Java
LaTeX

technologies

React
AngularJS
Node.js
Webpack
Emacs

team events

programming team
south east regional (10th) '17
mercer contest (6th) '17
south east regional (14th) '16
NAIPC invitational (80th) '16
mercer contest (7th) '16

hackathons
hackgt '17
off the grid '17

coursework

computer science
Design and analysis of algorithms
Algorithms and data structures
Programming languages
Computer graphics
Databases management systems
Cluster computing

mathematics
Intro to combinatorics
Ordinary differential equations
Calculus of several variables
Linear algebra

education

Clemson University Clemson, SC
BS in Computer Science, Minor in Mathematics. Graduation with honors: May 2018
GPA: 3.82/4.00

work experience

WSBF FM Clemson Radio Fall 2017 - **present**. Clemson, SC
Head Computer and Software Engineer

- Maintaining local web-server and music database for uptime and modifying old software
- Building web app for interacting with and streaming music (React, Node.js, and mySQL)

Blackbaud Summer 2017. Charleston, SC
Full-stack Software Engineering Intern

- Created database monitoring software with web technologies (AngularJS/ASP.NET)
- Developed library for remote access of database pods information (Javascript)
- Designed and implemented frontend for displaying information (AngularJS)
- Handled weekly tasks in Agile development environment

Clemson School of Computing Fall 2016 - Spring 2017. Clemson SC
Lab Teaching Assistant

- Co-taught and graded assignments for 30 students in Algorithms and Data Structures Lab

research experience

Algorithms and Computational Sciences Lab Fall 2017 - **present**. Clemson SC
Research Scientist in Data Mining

- Ran text analysis on large corpus (over 50gb of textual data)
- Developed suite of tools for manipulating, parsing, processing, and comparing data
- Wrote C++, Bash, Python, and PBS scripts
- Submitted research paper on the results

Human-Centered Cloud Robotics Fall 2016. Clemson SC
Research Assistant

- Analyzed pubsub architectures performance in controlling real-time environment
- Compared MQTT and Kafka with Python and MiniNet

DIMACS REU Program Summer 2016. Rutgers University, Piscataway NJ
Research Scientist

- Studied multi-robot environment traffic behavior with python simulations
- Developed path planning algorithm to monitor traffic and wrote research paper on results

team projects

CUhackit - Design Team (CUhackers Organization) Fall 2017 - **present**. Clemson SC
Lead Web Developer

- Developed web page for Clemson's first student only run hackathon: **cuhack.it**
- Created countdown clock in Javascript with HTML5 Canvas element
- Wrote CSS, HTML, and Bootstrap to create mobile friendly layout with design specifications

Senior Capstone Project Fall 2017. Clemson SC

- Recommended hardware to house two Tesla P100 GPU's given to our school by NVIDIA
- Used DeepDream to visualize features in trained network
- Created interactive website with my team: **clemson-deeplearning.github.io**