Angelo Carrabba

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Education

Clemson University *Aug. 2014 – May 2018*

Bachelor of Science: Computer Science | Minor: Mathematical Sciences | Calhoun Honors College | GPA: 3.82/4.00

Departmental Honors Research - Clemson University *Aug. 2017 – Present*

Applying topic modeling and hypothesis generation algorithm previously applied to medical article abstracts and extending that to medical full-texts in order to compare the quality of generated hypotheses.

Programming Languages

General:	C++	Python	Java	C#	C
Web:	JavaScript	HTML/CSS	TypeScript	AngularJs	React

Work Experience

Full-Stack Software Engineering Intern - Blackbaud Inc. *May. 2017 – Aug. 2017*

- ◊ Worked on a Scrum team in continuous release environment, picking up sprint tasks as well as working on a summer long project on **ASP.NET** framework web application with **AngularJs.** Tests were written with **SpecFlow** and **Jasmine.**
- ◊ Wrote developer tool in web-page for monitoring database ETL health for all of a particular class of production databases.

Lab Teaching Assistant - Clemson University *Aug. 2016 – May 2017*

- ◊ Helped teach students programming concepts in **Algorithms and Data Structures** as well as **Computer Science 102**

Research Projects

Undergrad Research Scientist - Clemson University *Aug. 2016 – Jan 2017*

- ◊ Compared PubSub performance between Kafka and MQTT in real-time simulations done with Mininet through **Python**

REU Program Rutgers University *June 2016 – Aug 2016*

- ◊ Wrote a **research paper** determining whether there are sharp-transitions in multi-agent traffic in enclosed environment

Team Competitions

Hack GT - Georgia Tech *Oct. 2017*

- ◊ Applied LDA Topic Modeling to recipe dataset from Kaggle.com in order to create recipe descriptions by a vector of topics, then applied k nearest neighbors in order to create adjacency matrix according to closest connections
- ◊ Using graph that was generated, created web page with ReactJs to walk through the graph by clicking different recipes

Off the Grid Hackathon - Blackbaud Inc. *June 2017*

- ◊ Built initial web service that allows for tracking of volunteer sign-up and who referred whom.
- ◊ Helped with task delegation, framework selections, architecture design, and wrote backend code within project.

Programming Team - Clemson University *Oct. 2015 – Present*

- ◊ Placed 14th out of 45 in South East Regional Programming Competition (Fall 2016)
- ◊ Placed 86th out of 200 in NAIPC Invitational Programming Competition (Spring 2016)

Personal Projects

Selection Marking Extension - github.com/acarrab/multi-cursor-emacs-mark *Aug. 2017*

- ◊ Wrote and published Visual Studio Code extension implementing text selection toggling command in JavaScript.

Website Development - github.com/acarrab/acarrab.github.io *Aug. 2016 – Present*

- ◊ Created personal website that is generated from markdown documents, written in react.
- ◊ Created graph based navigation website (old) from plain JavaScript using Canvas element