

## Relevant Experience

### **BMW Digital and Mobile Co-op**

*BMW Group @ Greenville, SC*

3rd Rotation | January - May 2019 | Cloud Architect

- Composed 2 Kubernetes manifests for secure, production ready, MariaDB deployments. One manifest is for the highly available Galera cluster and the other is for the Master-Slave cluster, both take advantage of MariaDB Maxscale.
- Explored AWS Lambda functions and Kubeless functions for a microservice replacement. Developed a serverless function to keep cross account target groups updated in AWS so our Kubernetes cluster's nodes can stay highly available.
- Developed Splunk Analytics algorithms to demonstrate user activity and feature effectiveness.
- Accommodated infrastructure support for 4 major web applications. Each project has several microservices and working in the continuous development agile working model.

2nd Rotation | May - August 2018 | Software Developer

- Led 4 people to test and develop end-to-end automated test scripts for complex web applications.
- Gathered and handled new ideas and information from the team to improve the way the team tests web/mobile applications.
- Provided and proved a better flow for the test team in how to develop and document tests to allow more creative thought from the test engineers.
- Crafted new standards for developing end-to-end automated tests and implemented them for a major application.
- Finished development of automated test scripts for a major feature of the BMW Connected mobile application.

1st Rotation | August - December 2017 | Software Developer

- Implemented part of My Car Is Born, a major feature in the BMW Connected app.
- Designed, developed, and pioneered end-to-end automated testing for My Car Is Born. Automated testing was an unseen area for my department at this time.
- Pioneered and created an automated testing stack to run automated tests on both iOS and Android simultaneously using Protractor and Appium. The testing team could now use the same framework to write tests for the web applications as well as mobile applications; this enables the team easily maintain tests and switch between projects

### **Tiger Band Website**

[clemson.edu/tigerband](http://clemson.edu/tigerband)

*Clemson University Tiger Band @ Clemson, SC*

January 2017 - Present

- Designed and developed a completely new website for Tiger Band, Clemson University Drumline, and Clemson University Tiger Band Association.
- Completed the website with a team of 3 students
- Github: [github.com/GusTheBusNG/tigerbandwebpage](https://github.com/GusTheBusNG/tigerbandwebpage)

## Education

### **Bachelor of Science in Computer Science**

Minor Business Administration

*Clemson University*

Clemson, SC Spring 2021

GPA: 3.88/4.00

## Skills

### **Programming Languages**

JavaScript, TypeScript, YAML, HTML, SASS, CSS, Python, C, C++, SQL

### **Frameworks / Libraries**

React, Angular, Express.js, Gatsby, Node.js, Protractor, Appium, Jest, MariaDB, MongoDB

### **Tools**

Adobe Xd, Kubernetes, Git, Docker, Bash, Postman, AWS, Unity, Gulp, Netlify

## Achievements

### **Eagle Scout BSA**

- June 2015

### **National Finalist Technology Students Association**

- Summer 2016

### **President's List Clemson University**

- Fall 2016 & Spring 2018

### **Dean's List Clemson University**

- Spring 2017 & Fall 2018

### **Trumpet Section Leader Tiger Band**

- Fall 2018

### **Assistant Site Leader**

*Salkehatchie Summer Service*

- Summer 2017 & 2018

## Projects

### **Camp Registration WebApp BSA Camp**

- 2015 - 2016

### **Personal Website**

- Summer 2018