

# Benjamin Ryne

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## Experience

### Futureman Digital

SOFTWARE DEVELOPER

Chicago, IL

June 2019 - Present

- Developed features and full-scale web applications for clients using HTML, Javascript, SASS, and Vue
- Built scalable architectures and pipelines utilizing AWS, Azure, and Github actions

### Clemson University, School of Computing

UNDERGRADUATE RESEARCHER

Clemson, SC

Aug 2018 - Dec 2018

- Working alongside PhD candidates to determine the difference in computation between AWS and Google Cloud Platform.

### Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN

Seattle, WA

May 2018 - Aug 2018

- Expanded the back end of a promotions specific API to return more detail about the requested promotion.
- Created a scalable and reliable application by utilizing Amazon internals such as Lambda, SNS, SQS, and DynamoDB.

### Clemson University, School of Computing

UNDERGRADUATE RESEARCHER

Clemson, SC

Jan 2018 - May 2018

- Implemented data structures to create a scalable text search on High Performance Cluster Computing Systems.

### CME Group

SOFTWARE ENGINEERING INTERN

Chicago, IL

May 2017 - Aug 2017

- Created automation framework for existing applications to run regression tests on Amazon EC2 instances.
- Developed custom python module to provision, start, stop, and de-provision Amazon EC2 instances on-demand.

### Clemson University, School of Computing

UNDERGRADUATE TEACHING ASSISTANT

Clemson, SC

Jan 2017 - Dec 2017

- Taught Algorithms and Data Structures, held office hours, and ran labs for undergraduate students.

## Skills

**Languages** Java • C/C++ • python  
**Technologies** Git • AWS • Webpack • Google Cloud Platform  
**Web** Vue • React • HTML • Javascript • SASS/CSS • Laravel PHP

## Projects

### Virtual Tour Website

HTML | JAVASCRIPT | SASS | WEBPACK | PANNELLUMJS

Chicago, IL

Nov 2019 - Dec 2019

- Created a website to explore a large hospital, viewing and interacting with a 3D image of each room along the way.

### News Article Analyzer

PYTHON

Clemson, SC

Feb 2018 - May 2018

- Employed the python library Beautiful Soup to scrape web data from multiple news source's websites.
- Used machine learning algorithms and topic modeling to visualize commonality and differences between sources.

### Smart Aiding Application for Travel Safety

JAVA | XML

Clemson, SC

Aug 2017 - Dec 2017

- Android application that analyzes historical SC transportation data to determine the safest and most-efficient route.
- Visualized the route using the Google Maps API, and enabled easy-use voice commands with the Google Voice API.

## Education

### Clemson University

B.S. IN COMPUTER SCIENCE

Clemson, SC

Aug 2015 - May 2019