

Benjamin Ryne

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Experience

Futureman Digital

SOFTWARE DEVELOPER

Chicago, IL

June 2019 - April 2020

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

Clemson University, School of Computing

UNDERGRADUATE RESEARCHER

Clemson, SC

Aug 2018 - Dec 2018

- Created and ran tests to determine the difference in computation between AWS and Google Cloud Platform.

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN

Seattle, WA

May 2018 - Aug 2018

- Utilized Java And Spring to expand a Backend API to return more detail about the requested promotion.
- Created a scalable application by interfacing with AWS tools 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

Back-end Java • node.js • C/C++ • python • SQL

Front-end React • Redux • HTML • Javascript • SASS/CSS

Technologies Git • AWS • Webpack

Projects

DIY Home Tools

HTML | REACT | REDUX | MATERIAL-UI

Chicago, IL

April 2020 - July 2020

- Utilized React and Redux to create a site for finding home improvement projects and the tools required for them.

Anime & Manga Discord Bot

NODE.JS | DISCORD.JS | AXIOS

Chicago, IL

September 2020 - present

- Employed node.js and discord.js to communicate with Discord and get commands and their modifiers.
- Created command responses by communicating with the Jikan API, using axios, then parsing the data retrieved.

Smart Aiding Application for Travel Safety

JAVA | XML

Clemson, SC

Aug 2017 - Dec 2017

- Android application written in Java that analyzes SC transportation data to determine the safest and most-efficient route.
- Visualized the route and enabled voice commands by leveraging Java and Google's Voice and Maps API's

Education

Clemson University

B.S. IN COMPUTER SCIENCE | 3.51 GPA

Clemson, SC

Aug 2015 - May 2019