

RM

RYAN M. MCHUGH
SOFTWARE DEVELOPER

[VIEW MY PROJECTS](#) | [HTTPS://BROHEMZ.GITHUB.IO](https://brohemz.github.io)

OBJECTIVE

Provide an intuitive and innovative product for the end-user.

Maintain a comprehensive understanding of current technologies through research and implementation.

SKILLS

Software [development in a team](#) setting – accepting criticism when needed.

[Holding the reins](#) over multiple tasks while understanding the bigger picture.

[Problem Solving](#) thoroughly at a rapid pace.

[Learning new technologies](#) quickly while cohering to standard conventions.

LEADERSHIP EXPERIENCE

Marching Band

Acted as trumpet section leader during senior year of high school. Instructed and demonstrated techniques. Critiqued and coached individuals one-on-one through difficult musical passages. Managed sound equipment and often coordinated warm-up stretches.

EXPERIENCE

INVENTORY SPECIALIST • ACCUTRAK INVENTORY • JUNE 2019 – CURRENT

Count up the stock from a range of convenience stores, grocery stores, and a clothing warehouse. Use vocal cues to communicate with internal voice recognition software. Manage the equipment (tablets, headsets, router) during shifts.

FRY COOK • WAYBACK BURGERS • AUGUST 2017 – DECEMBER 2017

Manage the fry station during rush hour shifts. Often acted as the dish washer and disinfected all utensils and plates. Bagged and served the foods. Participated with inventory management and restocked stations.

PROJECTS

Carberry-PI (Undergrad Research):

A touchscreen user interface for the car

- Interfaces with the OBDII port to read engine information

Toolkit: { Python, PyQt, QML, Javascript, JSON, git, bash scripting }

Plagiarism_Checker:

Semester-long group project running with an agile-waterfall blend

- Highlights suspected areas on each file and provides a percentage (plagiarized) for reference

Toolkit: { C++, Qt }

Movies_App:

Locates a random movie from a database with minimalist filters

- Talks with themoviedb REST API to request 100 most popular movies in a category

Toolkit: { React.js, Node.js, Sass, REST API }

Image_Search:

Downloads sets of images based on a given tag

- Attaches to the Flickr API to request a static image url for download

Toolkit: { Python, XML, JSON, REST API }

EDUCATION

BACHELORS DEGREE IN COMPUTER SCIENCE | [CYBERSECURITY MINOR](#)

~MAY 2020 | CHARLESTON SOUTHERN UNIVERSITY

3.56 GPA (Final)

Relevant Coursework

- Operating Systems | Computer Architecture (C, Verilog)
- Data Structures (C++) | Algorithms
- Database Management (MYSQL – Oracle Apex)
- Computer Networks & Networking Security (Metasploit, Kali, ADHD)
- Linear Algebra | Calculus II | Physics I
- Probability & Statistics | Discrete Mathematics
- Object Oriented Programming (Java) | User Interface Design (Ruby on Rails)
- Systems Analysis and Software Design (Documents, Diagrams)
- Scripting Languages (Perl, Python, Javascript, Node.js + Express.js)



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