

# ROBERT MELTON

Tuscaloosa, AL 35404

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 <https://robertsportfolio-ef9e0.web.app>

## Education

### The University of Alabama

Dec 2023

BS in Computer Science, Major GPA: 3.3/4.0, Dean's List (Fall 2023/Spring 2023/Fall 2019)

Tuscaloosa, AL

## Technical Skills

**Soft Skills:** Attention to detail, Time management, Collaboration, Adaptability, Leadership, Innovation, Team player

**Programming Languages:** C/C++/C#, Python, Swift, Java, HTML/CSS, SQL, React, JavaScript, Three.js, SwiftUI

**Developer Tools:** VS Code, Visual Studio, Eclipse, Xcode, GitHub, Slack, Sourcetree, ASP.NET Core MVC

## Relevant Experience

### C++ Volunteer Teaching Assistant

Fall 2023

The University of Alabama

Tuscaloosa, AL

- Supervised laboratory sessions, providing hands-on guidance in programming and software development.
- Assisted students with any questions they had during these lab sessions.

## Relevant Coursework

- |                         |                       |                       |                       |
|-------------------------|-----------------------|-----------------------|-----------------------|
| • Web Development       | • Computer Algorithms | • Database Management | • Software Design and |
| • Capstone Computing    | • Intro/Intermediate  | • Data Structures and | Engineering           |
| • Programming Languages | Python                | Algorithms            |                       |

## Projects

### Document Generator | React, JavaScript, HTML/CSS, VS Code, MUI

[Link to Project](#)

- Work in a team to build a React app web page that steps through a form and allows the user to input their data into fields to then generate a document for review by the University of Alabama graduate school.
- This template consists of multiple text fields as well as drop down menus to allow the user to choose what they need.

### My Portfolio | React, JSX, HTML/SCSS

[Link to Project](#)

- When creating my portfolio, I followed a tutorial to learn more about React.
- I learned about Routes to be able to have separate pages, how to animate letters, how to create loading animations, how to create my own navbar, how to use EmailJS, etc.

### SQL Interpreter | C++, CSV files, VS Code

[Link to Project](#)

- Users can input SQL queries interactively through the command line and receive results in real-time.
- The interpreter supports various SQL queries, including "SELECT", "ORDER BY", "WHERE", and "FROM", allowing users to retrieve and manipulate data effectively.

### Egg Timer Application | Swift, Xcode

[Link to Project](#)

- Allows the user to choose one of the three displayed options: Soft, Medium, or Hard eggs.
- After the user chooses one of the three options it will then start a visual timer as to how long it takes to cook the type of egg chosen. When the timer is complete it will play funny music.

## Certification

**CodePath Technical Interview Prep Online Course:** Things I learned: How to handle technical problems using the UMPIRE method in a team work environment.

**Angela Yu's "iOS and Swift - The Complete iOS App Development Bootcamp" Online Course(In progress):**

Things I learned: How to make apps using Dr. Yu's amazing tutorials using Swift and SwiftUI which can be found on my Github.

## Employment

### Foodland Marketplace | Stocker

May 2017 - June 2019

- Customer Support, maintained store cleanliness, distributed stock, rotated product, retrieved carts.

### McDoanld's | Line Cook

December 2015 - June 2016

- Ran the meat station, frier, line, front window. Prepared breakfast station, prepared lunch station, washed dishes.