

MICHAEL MANDLE

ASPIRING FULL STACK ENGINEER / WEB DEVELOPER

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INTERNSHIP GOAL

I am searching for opportunities, before and during my senior year of college, in the tech field. I want to step up my programming knowledge with actual hands-on experience to further challenge myself and gain a greater understanding of what it means to be a top-tier programmer

SKILLS

- Java, JavaFx, JavaScript
- HTML, CSS, Swift
- React and Node.js
- C, C++, C#, ASM
- Experience with and knowledge of APIs
- Understanding and use with Databases: MongoDB and Google Firebase
- Familiarity with Python for AI intentions

EDUCATION

BACHELORS OF COMPUTER SCIENCE

Current GPA: 3.5, on the Dean's List

University of Georgia | Aug 2021 - May 2025

CLUBS

ACM (Association of Computer Machinery)

UGA CodeHub

UGA/MLH Hackathons 2022, 2023, and 2024

EXPERIENCE

CSCI 4300 WEB PROGRAMMING

Designing client-side and server-side techniques used on professional websites. This class challenged me to hone in on my front-end development skills in order to produce high-quality and functional websites. I enhanced my skills in HTML, CSS, JavaScript and also learned React, MongoDB, and Node.js.

CSCI 4720 COMPUTER ARCHITECTURE AND ORGANIZATION

Design and analysis of the structure and function of modern computing systems. I have learned hardware design and the organization of CPU, I/O and memory systems, and assembly language design.

CSCI 2720 DATA STRUCTURES

In depth learning/programing of basic software data structures algorithms: Arrays, Singly-Linked Lists, Doubly-Linked Lists, Stacks, Queues, Binary Trees, AVL Trees, Red Black Trees, Graphs, and Hashing. As well as sorting algorithms: HeapSort, QuickSort, MergeSort, BubbleSort, InsertionSort, and SelectionSort.

CSCI 2670 THEORY OF COMPUTING

Logic with the Chomsky hierarchy was closely examined in this course. Learning Turing Machines, Automaton, Pumping Lemma, Language, Computability, Timing Analysis, summation, and probability.

CSCI 1302 INTRO TO SOFTWARE DEV

Focused on software development techniques in an object-oriented computer language: Java and JavaFX. Learned system methods, top-down design, program testing, modularity, and structuring techniques.

OTHER RELEVANT COURSES: DISCRETE MATH, COMPUTATIONAL SCIENCE, SYSTEMS PROGRAMMING, AND INTRO TO COMPUTING

PROJECTS

OMNIFIT FITNESS WEB BASED APPLICATION

This project is my take on creating a fitness website. I combined several features on this project including a max strength calculator, fitness standards, weight conversions, and recommended workouts. This project truly challenged me to further deepen my understanding and better my skills of web development.

WEATHER APP WITH LOCATIONAL DATA API

A simple application that lets the user to enter a location and it pulls data from a weather API to display current weather data. This website also uses JavaScript and CSS styling to further enhance the user's experience.

LOGIN PAGE WITH FIREBASE DATABASE

Another simple project that I used to get more experience with databases. I decided to use Google Firebase due to its versatility and information that it provides.

OTHER PROJECTS: UNIX KERNEL, GENERIC DOUBLY LINKED LISTS, GENERIC BINARY SEARCH TREES, RECURSIVE SORTING ALGORITHMS, APPLE MUSIC INTERFACE.