

# MICHAEL MANDLE

FULL STACK ENGINEER / WEB DEVELOPER

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## EDUCATION

BACHELORS OF COMPUTER SCIENCE  
AT THE UNIVERSITY OF GEORGIA

MAY 2025 GRADUATION

GPA: 3.6

## PROJECTS

### OMNI ATHLETICS

2024

- A frontend heavy gym application created in **Next.js** with **Javascript** to sell gym memberships.
- Styled with **TailwindCSS** to create a *dynamic* and *responsive* application.
- Integrates the **RapidAPI**, **exerciseDB** to showcase actual exercises and how to perform them.
- Incorporates **GSAP** Scroll Targeting, **FramerMotion**, and **LocomotiveScroll** for seamless transitioning.

### SIMPLICITEE

2023

- A full-stack clothing shop to crafted in **Next.js** with **Typescript** and **TailwindCSS** for responsiveness.
- Clients can easily *search* through different product categories and *filter* items by color, size, or price.
- Integrated with **Stripe** for a simple checkout experience.
- Utilizes the Next.js library, **ShadCn/Ui** for dynamic components and better UI/UX.

### CREATIVES MANAGEMENT

2023

- A full-stack *management* website that uses **API Routing** to *communicate* with its clients and display *metrics*.
- This site uses the **Next.js** framework and **Typescript** coding, along with **TailwindCSS**.
- **Stripe Webhooks** were integrated to *catch* and *display* data from client sites, like SIMPLICITEE.
- **ShadCn/Ui** components are used to help customers *make* products for their sites and view *profit* details.
- The addition of **Clerk Authentication** helps keep the site *secure* and *personalized*.

### PROFLIX ENTERTAINMENT

2023

- A Netflix inspired frontend application, created in **Next.js** with **Typescript** and **TailwindCSS**.
- This project uses **Prisma Schemas** with **MongoDB** to add and store data for the website. Including movie details, trailers, descriptions, and user information.
- **OAuth** through **MongoDB**, **Github Developer**, and **Google Cloud** are used to help keep the site secure.

## SKILLS

- Java, JavaScript, React
- Tailwind, SASS, Bootstrap
- Next.js, Typescript, ShadCN
- Framer Motion, GSAP
- Experience with and knowledge of APIs
- MySQL, Prisma, PlanetScale, MongoDB, Google Firebase, oAuth, Stripe, Vercel
- Trello, Figma, Notion, Slack, Procreate
- Knowledge to engineer efficient, readable, and reusable code
- Experience working on large scale projects, SCRUMS, SPRINTS, MVPs

## RELEVANT EXPERIENCE

### CSCI 4050 SOFTWARE ENGINEERING

2024

- Proficient in **full-cycle software system development**, including requirements definitions, system analysis, design, implementation, and testing.
- Experienced **SCRUM Master** leading teams to deliver a fully functional eCommerce system with timely **sprints** and effective **collaboration**.
- Along with being SCRUM Master I acted as the **lead Frontend Engineer** to deliver a visually stunning design.

### CSCI 4300 WEB PROGRAMMING

2023

- Proficient in **client-side** and **server-side** techniques for professional website design, utilizing **HTML**, **CSS**, **JavaScript**, **React**, **MongoDB**, and **Node.js**.
- Utilized React libraries, Server **Routing**, **SPA** - Single Page Application Design, and **API** routing to not only make the web applications visually *stunning*, but also be *responsive* and *functional*.

### CSCI 2720 DATA STRUCTURES

2023

- Extensive study and practical application of fundamental software **data structures** and **algorithms**, encompassing *Arrays*, *Singly-Linked Lists*, *Doubly-Linked Lists*, *Stacks*, *Queues*, *Binary Trees*, *AVL Trees*, *Red Black Trees*, *Graphs*, and *Hashing*.
- Proficiency in various sorting **algorithms**, including *HeapSort*, *QuickSort*, *MergeSort*, *InsertionSort*, and *SelectionSort*, acquired through rigorous learning and programming exercises.