



Matthew Washington Bradshaw

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<https://github.com/MWBradshaw>

Education:

Claflin University, Orangeburg, SC (Honors College)

Bachelor of Science in Computer Engineering:

May 2024

GPA: 3.8 /4.0

Relevant Courses:

- | | |
|-------------------------------|---|
| ○ Fundamentals of Programming | ○ Introduction to Object Oriented Programming |
| ○ Discrete Mathematics | ○ Computer Organization & Architecture |
| ○ Calculus I | ○ Data Structures & Algorithms |
| ○ Calculus II | ○ Computer Systems |

Technical/Non-Technical Skills:

- | | |
|--|--|
| ○ Java (Curriculum-taught; intermediate level) | ○ HTML5 (Self-taught; intermediate level) |
| ○ Python (Self-taught; intermediate level) | ○ CSS3 (Self-taught; intermediate level) |
| ○ ReactJS | ○ JavaScript (Self-taught; intermediate level) |
| ○ Typescript | ○ Bootstrap 5 |
| ○ Git | ○ Agile/Scrum |

Experience:

DHAP Intern – SeKON Enterprise Inc.

January 2022 – Present

- Developed a set of responsive website markups for the CDC's new website's HIV risk reduction tool using HTML, CSS, JavaScript, and Bootstrap 5 resulting in overall website traffic increasing by 17%.

Engineering Intern – Zoom Video Communications

September – December 2022

- Engineered a product demo for a formula editor application for Zoom's team chat with the use of React, Typescript, react-latex and guppy.js.
- Conducted research on Zoom IQ, providing a detailed analysis of its overall functions, competitors, limitations, and recommended implementations which all was compiled on a Confluence page. From the recommended implementations, the overall user base for Zoom IQ had increased by 7%.

Software Engineer Intern – Lutron Electronics, Inc.

May – August 2022

- Developed the user interface and functionality for Lutron Electronics' mobile application's new feature Integrator Logs, an activity component dedicated to showcasing the timestamps of the operation of lighting in a customer's home for troubleshooting purposes, with the use of ReactJS, CSS3 and Bootstrap 5.
- Implemented parsing fields for data taken from the cloud processor with the use of Typescript.

Key Projects:

Pomodoro Application

August 2022

- Developed a functional pomodoro application with the use of Typescript, ReactJS, HTML5 and CSS3
- Implemented additional functionality that allows users the options to customize the time set for each focus session and subsequent break
- Designed the application's user interface with the use of Figma

Blockchain Prototype

June 2022

- Created a prototype blockchain data structure with functions to create a new block and ascribe properties to it such as a sha256 block hash and a list of pending transactions with the use of JavaScript

NEXUS – Online Portfolio

December 2021

- Developed the user interface of a mock online portfolio which includes an About Me section, a Programming Languages section, an interactive timeline showcasing job experience and a contact form with the use of HTML5, CSS3 and JavaScript
- Created wireframes of the user interface and developed custom icons with the use of Figma

Activities/Awards:

National Society of Black Engineers (NSBE)

President

2021-2022

Global Student Organization

Public Relations Officer

2021-2022

8th Annual Business Plan Competition (Claflin University)

Second Place

2021

WMC FinTech Challenge

Second Place

2021

Alice Carson Tisdale Honors College

Member

2020-Present