Stephane Mbenga

✉ stephane.y.mbenga@gmail.com | ☎ 240-615-0227
in www.linkedin.com/in/stephaneyannickmbenga | ⌂ GitHub.com/Stephboss9
https://stephanes-portfolio-website.vercel.app

EDUCATION

University of Maryland, College Park   **December 2024**
Bachelor of Science in **Computer Science,** Minor in **Math**
Relevant Coursework: Web Development, Databases & Database Design, Advanced Data Structures, Data Structures & Algorithms, Introduction to Computer Systems, Object-Oriented Programming, Computer Networks & Security, Discrete Structures, Linear Algebra, Linux

SKILLS

Proficient Languages: TypeScript, JavaScript, HTML, CSS, Java, C++
Familiar: Python, C
Frameworks & Databases: NextJS, ReactJS, EmberJS, ExpressJS, PostgreSQL
Tools: AWS, Visual Studio Code, Git, Github, Heroku, Vercel, Vitest, React-Testing-Library

EXPERIENCE

LinkedIn | *EmberJS, TypeScript, GraphQL, Qunit*   ***Sunnyvale, California***
Software Engineer Intern   **May. 2023 - Aug. 2023**
- Engineered an onboarding widget using EmberJS and TypeScript, significantly boosting visibility for LinkedIn's Get Hired newsletter, which now has over 1.2 million subscribers
- The widget directly contributed to the advancement of employment opportunities for 37% of new sign-ups
- Refined web accessibility in LinkedIn's onboarding by adding ARIA roles to Ember components, enhancing navigation for screen reader users.
- Wrote tests in Ember.js testing framework QUnit with 90% code coverage

Course Hero | *ReactJS, ExpressJS, NodeJS, PostgreSQL, ChakraUI*   ***Remote***
Full Stack Engineer Intern   **Jun. 2022 - Aug.2022**
- Worked with two other interns to develop MotivateMe, an application aimed at empowering university students in workload management, motivation, and productivity
- Users can keep track of their assignments and grades, view statistics in the form of charts and graphs, and connect with their peers to hold accountability and view progress
- Used ReactJS and Chakra UI to develop several mobile-compatible pages including the login, register, dashboard, landing, and todo pages

PROJECTS

Flixster | *ReactJS, TypeScript, Styled-Components, Material UI*
- Displays the latest and most popular movies in the U.S on an attractive and responsive user interface
- Retrieved data from The Movie Database API using asynchronous JavaScript and HTTP get requests
- Features infinite scroll, search capabilities with live results, and optimized performance including debouncing techniques for high-speed performance and convenience
- Utilized CSS media queries and Flexbox to ensure compatibility with a variety of screen sizes

B+ Tree Indexing | Java
- Developed core B+ tree operations for efficient database retrieval, insertion, and deletion
- Implemented leaf and inner node splitting recursive algorithms to ensure the tree remains balanced and maintains optimal access speed
- Implemented a deserialization method for B+ tree structures to support efficient data loading and retrieval
- Creating a custom iterator to support range queries, enabling efficient traversal and querying of data within specified bounds

LEADERSHIP

Hack4Impact, *Tech Lead*   **Sept. 2022 - Dec. 2022**
- Led a team of 4 engineers in the development and enhancement of CORA's and Hack4Impact's websites
- Improved load times of the Hack4Impact website by 30% by rewriting backend STRAPI queries
- Created learning materials on TypeScript and Git to familiarize 4 engineers with relevant technologies and version control
- Performed code reviews and provided feedback on the engineer's code for exceptional code quality