

Om Moradia

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EDUCATION

University of Wisconsin-Madison | Madison, WI

Expected Graduation May 2024

B.S. - Computer Science

Cumulative GPA: 3.82

Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, OOP, Artificial Intelligence, Intro to Computer Engineering, Discrete Mathematics, Linear Algebra, Statistics

Awards & Honors: UW-Madison Dean's List, Accredited Spanish Bilingual

SKILLS & TECHNICAL TOOLS

Languages: (Proficient): Java, C, JavaScript, TypeScript, Python, HTML, CSS **(Intermediate):** C++, Lua, Rust, R, Assembly

Technologies: React.js/Next.js, Angular, Node.js, Svelte, TailwindCSS, Docker, Git, GitHub, Jupyter Notebook, Postman, MongoDB, Unix, Linux.

Certifications

JP Morgan's Virtual Experience Program Participant

- Created an interface with a stock price data feed
- Implemented the Perspective open source code for data visualization
- Used Perspective to display data visually for traders.

EXPERIENCE

Software Engineer Intern | Anthpolis

May 2022 - Jun 2022

- Built a website utilizing React and ChakraUI that would make it easier and faster for the team to test server speeds and find bugs by roughly 40%.
- Building the website enabled me to learn how to automate tests and implement a beneficial and useful user interface.

PERSONAL PROJECTS

Personal Website | Next.js, TypeScript, TailwindCSS, Framer-Motion, Spline

- Built home, about, and skills pages alongside a navigation bar which each allow the user to interact with the content and elements of the page and view neat animations.
- Implemented routing with Next.js's file-based routing, styling and animations with Tailwind, and page transitions and animations with Framer-Motion.
- Utilized a 3-D web tool Spline to create a custom model to incorporate as a background piece on the website for viewing and interactivity.

Aesthetic Neovim | Lua, Neovim, Fish Shell, Git

- Created Lua scripts that implement custom mappings and makes use of GitHub repositories (a.k.a. plugins) designed for Neovim to provide a fast and pleasing programming experience within a terminal/shell.
- Provides features such as autocompletion, diagnostics, and code actions similar to that of VSCode extensions.

Splash Shell | C, Unix, Unix API

- Developed a shell that makes use of system calls provided by the Unix API to help create functions which allow for the direct use of a set of built-in commands (pwd, cd, exit) as well as redirection and piping.
- Allows the user to pass in a command in its executable form (i.e., /bin/lis) for the commands that are not explicitly defined along with any arguments needed and executes the command accordingly.

Bloglist | ReactJS, JavaScript, CSS, MongoDB, NodeJS/Express, Git

- Developed a login and user homepage which allows users to easily add and remove blogs stored in a MongoDB database
- Utilizes MongoDB to store usernames, bcryptjs for password authentication, and JSON Web Token for token-based authentication.