

Om Moradia

Madison, WI 53703 | moradia@wisc.edu • 630-487-1009 • yonkoom.vercel.app • github.com/yonkoom • [LinkedIn](#)

EDUCATION

University of Wisconsin-Madison | Madison, WI

Expected Graduation May 2024

B.S. - Computer Science

Cumulative GPA: 3.84

Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, OOP, Artificial Intelligence, Mobile Systems and Applications, User Interfaces, Computer Engineering, Machine Organization, Linear Algebra, Statistics, Discrete Math

Awards & Honors: UW-Madison Dean's List (all four years), Accredited Spanish Bilingual

Students Organizations: Software Development Club (Group Lead 2022, Member 2021)

SKILLS & TECHNICAL TOOLS

Languages: Java, C, JavaScript, TypeScript, Python, HTML, CSS, C++, Lua, Rust, R, Assembly, Bash, SQL

Technologies: React.js/Next.js, React Native, Android Studio, Angular, Node.js, Svelte, Docker, Git, DialogFlow, Postman, MongoDB, Firebase, Unix, TailwindCSS, Azure

WORK EXPERIENCE

Electronics Design Corporation

May 2022 - Aug 2022 | May 2023 - Aug 2023

Software Engineer Associate - React Native, Angular, Node.js, Express.js, SQL

Bloomington, IL

- Worked with product owners to understand web UI/user role hierarchy requirements and create features across website functionality.
- Constructed logic for mobile apps working with product/business owners and helped build Android and iPhone mobile applications.
- Partnered with a development team to implement Web APIs enabling storing of all system related information (SQL DB) and gPEDS Communication Service (.NET Framework 4.5.2) on Azure VM using MQTT as a message broker.
- Tested the system as per requirements for defects and made improvement recommendations for smooth user experience.
- Documented performance between various system components, identifying efficiency gaps enabling teams to improve information transfer speed by 5% and screen refresh rate by about 25%.

TK Gym

March 2020 - Aug 2020 | May 2021 - Aug 2021

Health Club Associate

Lisle, IL

- Maintained the health club website and integrated Membership sign-on and Class Schedule widgets.
- Ensured all due payments are processed/approved on an online Member Management System (RhinoFit).
- Enforced all Fitness Center policies and procedures in a consistent manner.

SPCS USA Non-Profit Organization, Illinois Chapter

Aug 2020 - Aug 2022

Youth Leader

IL

- Prepared and distributed meeting notices, agendas and encouraged volunteers/members to attend.
- Planned and held events/activities and coordinated volunteers along with their schedule/tasks.
- Finalized the cost breakdown in a timely manner and distributed it to the leadership committee.

PROJECTS

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

- Built a responsive, interactive frontend using Typescript, Next.js, TailwindCSS, Framer-Motion, and Spline.
- Utilized open-source tooling to create transitions, interactability of background/content of each page, and produce neat animations.

Shop Nonstop | Android Studio, Java, Firebase, Google Play Services Location API, Google Maps API

- Directed a team of 4 to develop a location-based reminder app that reminds the user to pick up groceries when they are within a specific radius of a grocery store.
- Developed login functionality, storing of the user's todo list, and tracking of the user's location relative to a grocery store by means of Firebase's Google authentication, Firebase's realtime database, and Google Play Services Location API, respectively.
- Presented the project to an audience of 100+ professors, TAs, and students.

Aesthetic Neovim | Lua, Neovim, Git, Iterm2, Fish Shell

- Created Lua scripts that utilize custom mappings and open-source plugins designed for Neovim to provide a blazingly fast (**startup and performance is over 50% faster and better than VSCode**) and pleasing programming experience within the terminal/shell.
- Implemented autocompletion, diagnostics, and code actions similar to that of VSCode extensions to increase overall workflow.

Splash Shell | C, Unix/Linux-based machine, POSIX API

- Exploited POSIX API system calls to create common shell commands such as pwd/cd/exit as well as the ability to redirect and pipe.
- Allows the user to type a command in its executable form, alongside any flags, which is then executed and output accordingly.

Desktop Cleaner | Python

- Implemented an automated script in Python which moves files from the downloads folder to specific folders based on extensions.
- Saves me around **5-10 minutes** everyday as music and files such as PDFs are automatically moved from the downloads folder.