

WESLEY NGUYEN

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WORK EXPERIENCE

- Institutional Knowledge Map, UAIR**, Tucson, AZ | Web Developer Nov 2023 - Present
- Developed a comprehensive documentation site for the Institutional Knowledge Map project using a Markdown parser, improving information access and understanding for new users.
 - Optimized responsiveness and accessibility features across the website, ensuring a more inclusive user experience for all kinds of users.
 - Implemented a feed feature, allowing researchers to approve and edit AI-generated grants updates or create their posts to provide updates throughout the network.
 - Deployed a system for researchers to create, edit, delete, and view laboratories across campus through Next.js and MongoDB pipelines.
- International Wood Products**, Clackamas, OR | IT Specialist May 2023 - Nov 2023
- Triageed, evaluated, and resolved tickets through osTicket for technical issues from around the company.
 - Optimized and wrote PowerShell, JavaScript, and Python scripts to automate data, Microsoft 365, Linux, and Azure Active Directory tasks.
 - Supported Microsoft 365 Enterprise and ERP systems, email servers, and operations for users across states.
- International Wood Products**, Clackamas, OR | IT Intern July 2022 – Sept 2022

EDUCATION

- University of Washington** December 2022
B.A in Geography: Data Science Seattle, Washington
- University of Arizona** January 2025
Non-degree Seeking Student Tucson, Arizona

SKILLS

Languages: JavaScript, TypeScript, Python, R, PowerShell, HTML, CSS, SQL, Java
Frameworks: React.js, Redux, NextJS, NodeJS, Tailwind CSS, Svelte, Express, Playwright, FastAPI, Flask, Tauri
Tools: Git, WordPress, ArcGIS, QGIS, Postgres, MongoDB, Flask, Docker, CI/CD

PROJECTS

- Picatso** | TypeScript, Next.js, React, Tailwind, Supabase [Link](#)
- Developed a full-stack web app that generates AI-driven images of cats based on user-specified adjectives and actions, earning first place in a hackathon.
 - Designed and implemented a responsive front-end to deliver an intuitive user interface for creating and interacting with the generated cat images.
 - Leveraged technologies like tRPC, Supabase, NextAuth, and Cloudinary for data storage, image hosting, and authentication to aid in rapid development and full type-safety.
- Package Tracker** | Next.js, React, Firebase, Tailwind [Link](#)
- Led a group in making a full-stack web application, winning best overall hack in the TransportHacks hackathon.
 - Utilized Next.js and Tailwind to develop and implement the landing page, user page, and shipping label search result page with emphasis on UI/UX.
 - Architected the backend using Firebase with Firestore and Cloud Functions to schedule updates via cronjob.
- RhodesAPI** | TypeScript, Express.js, Node.js, Svelte [Link](#)
- Devised and built a RESTFUL API with Node and ES6 JS for the game Arkknights with Express, connecting to a MongoDB database constructed from web scraped data.
 - Simplified deployment and build process by using Docker to containerize the project, and continuous integration to rebuild and push changes automatically.
 - Deployed a documentation website made with SvelteKit to allow visualization of APIs responses and improve SEO.