

Alex Hughes | Full-Stack Developer

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| [LinkedIn](#) | [Github](#) | [Portfolio](#)

I cultivate an engineering mindset to write code that empowers and I enjoy the developing experience. I thrived in a varied, fast-paced business community thanks to strong communication skills, empathy, and high adaptability.

TECHNICAL & INTERPERSONAL SKILLS

Languages: JavaScript, Python, HTML5, CSS3

Libraries and Frameworks: Express, React, Next, Django, OpenCV, Ultralytics, Streamlit

Databases and other: RESTful Routing, PostgreSQL, Google Auth, JSON API, YOLOv8, SemRush

Interpersonal skills: Strong rapport-building ability, high degree of openness, diligent, and honest

TECHNICAL PROJECTS

Sparrow Detector 1.0 - [App](#) - YOLOv8 | Ultralytics | Streamlit

Prototype computer vision project to detect English House Sparrows

- Trained and exported a model for detecting sparrows in images, video, or live feeds
- Built a simple user interface with Streamlit's component for users to upload single images for inference

Scooper McQuades - [App](#) - Next.js 14 | React | Tailwind CSS | HTML5 | CSS3

Single-page website visitors can view mobile menus and make reservations

- Implemented Next.js Image optimization, React hooks, and Tailwind breakpoints for mobile functionality
- Utilized Calendly in-line widget for reservations and React Carousel for seasonal announcements
- Improved SEO with customized metadata using Next.js Metadata API

Portfolio site - [Site](#) - Next.js 14 | React | Tailwind CSS | HTML5 | CSS3

Multi-page website for displaying projects and hosting a technical resume

- Programmatically created "Projects Items" to quickly add future project details and pages
- Registered a domain, created a Github workflow to push changes, and deployed to Vercel

EXPERIENCE

Freelance Web Developer

The Dalles, OR, 01/2024 - Present

- Addressing specific UX/UI requirements, prototyping solutions, and conducting client A/B testing to build highly customized, user-friendly pages
- Adapting quickly to an established codebase and preferred technologies, resulting in customized client Docs
- Significant time debugging/troubleshooting codebase, testing via greenspace, and carefully implementing changes
- Enhancing proficiency in Git for version control and Gerrit for code review

Freelance Next.js Developer

The Dalles, OR, 09/2023 - Present

- Conducting in-depth interviews with local business owners to understand their business goals and objectives, translating them into actionable development plans
- Conducting weekly meetings to deliver progress updates, incorporate feedback, and conduct extensive A/B testing
- Implementing responsive design techniques, utilizing media queries and flexible layouts

The Dalles Area Chamber of Commerce, Director of Business Development

The Dalles, OR, 06/2022 - 05/2023

- Liaised between local government and small businesses to promote the local business community
- Collaborated extensively with department heads, executives, and partners to capitalize on economic and local trends, culminating in a Strategic Planning session outlining 2023-2025
- Maintained one of the highest memberships (480) based on population (17,000) in the Western U.S. while significantly increasing membership dues

EDUCATION

General Assembly

Remote: 06/2023-08/2023

Full-stack software engineering 420+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

Montana State University, Bachelor of Arts, Global Studies

Bozeman, MT, Graduated: 06/2014