Timothy Machnacki

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EXPERIENCE

Signs365   *March 2023-Present*
Frontend Software Engineer • Full-time   *Shelby Twp., MI (Hybrid)*
- Leading complete frontend architecture and development of new v5 application, integrating modern technologies including React 19, Tailwind v4, Tanstack (React) Query for advanced async state management, React Router v7 for client-side routing, and Zod for validating type-safe mutations.
- Led the design and implementation of a new t-shirt ordering interface, developing 35+ reusable, accessible, and styled UI components using React, TypeScript, and Tailwind CSS, while maintaining documentation through Storybook for team-wide adoption.
- Decreased client chat network load by 66% with rendering optimization. Redesigned and implemented an improved chat user interface, adding proper handling of loading and error states, infinite-scrolling message history, and an automated testing suite with Cypress.
- Spearheaded the design and development of a new "Promos" page within a fast-paced one-week sprint, driving 1,300+ customer conversions through the successful launch of a 4th of July campaign.
- Leveraged knowledge in React, Typescript, Javascript, Tailwind CSS, SCSS, jQuery, Cypress, Storybook, and Figma.

Recruiting Arena (*startup*)   *Aug. 2023-Present*
Lead Frontend Developer & Designer • Freelance   *(Remote)*
- Led the design and development of eight responsive pages in a multi-page application through close collaboration with backend leads and business ownership, additionally creating two high-fidelity Figma prototypes for profile and messaging features to drive future development.
- Currently in alpha testing with 100+ student-athletes across two high schools.
- Leveraged knowledge in Tailwind CSS, DaisyUI, Astro, HTML, Javascript, CSS, and Figma.

Buy My Spot   *April 2023*
React Native Developer • Contract   *(Remote)*
- Delivered a streamlined 5-step user onboarding experience in collaboration with design leadership, implementing progressive multi-step form validation to enhance new user activation.
- Leveraged knowledge in React Native, Typescript, Tailwind CSS, and Expo.

Nexsys Technologies (Amrock)   *June-Aug. 2020, 2021*
Software Quality Engineer • ClearSign • Intern   *Detroit, MI (Remote)*
- Collaborated with senior team members to refactor legacy code to improve maintainability, utilize Postman for API testing, and obtain experience working in an agile environment.

EDUCATION

University of Michigan   *Sept. 2018-April 2022*
Bachelor of Science in Computer Science   *Ann Arbor, MI*
- **J.P. Morgan Chase EECS 183 Showcase Winner:** Led an interdisciplinary team of four in developing and presenting an arduino mini-golf arcade game built with C++, Arduino, and Adafruit RGB LED matrix.

SKILLS

- **Languages**: (*proficient*): Typescript, Javascript, HTML, CSS, NoSQL • (*familiar*): Python, C++, C#, SQL
- **Frameworks/Libraries:** (*proficient*): React, Next.js, Astro, Tailwind CSS, Vite, Node.js • (*familiar*): Webpack, Express, Hono, Cypress, Storybook, Vue, React Native, Expo, Flask, Django, Jinja
- **Additional:** (*proficient*): Figma, SEO, Responsive Design, Accessibility, Audio Engineering • (*familiar*): Git, Vercel, ec2, Unity Engine, Digital Marketing