

Alexander Gervais

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SKILLS

Languages: Python, JavaScript, Typescript, HTML/CSS, SQL

Frameworks and Libraries: React, Svelte, Node.js, Flask, Transformers

Developer Tools: Git, Docker, Cloudflare, Vercel

PROJECTS

Portfolio | *React, NextJS, Tailwind, Vercel, Shadcn, Framer Motion*

January 2025 – Present

- Spearheaded the development of a portfolio using **React** and **NextJS**, showcasing technical skills and previous projects
- Maximized web application efficiency to earn over a 95 Lighthouse performance rating while employing advanced coding practices alongside leveraging **Vercel's** content delivery network capabilities for optimal resource loading

Cosmic Boogeyman Website | *SvelteKit, Cloudflare D3, Tailwind, Prisma*

June 2024 – Present

- Increased client inquiries by 20% by developing an interactive promotional website
- Attained web application performance to achieve a 95+ Lighthouse score by implementing code optimizations and utilizing **Cloudflare's** content delivery network for efficient resource distribution
- Drove additional traffic to the client's YouTube channel by integrating the **YouTube API** for embedded video content

SubGenGUI | *Python, Flask, Tailwind, Whisper*

May 2024 – Present

- Reduced manual transcription effort by 50% by creating an automated subtitle generation tool
- Accelerated video processing speeds by 3× compared to manual transcription through optimized **PyTorch** implementations
- Improved subtitle accuracy across multiple languages by integrating **Whisper AI** and fine-tuning language models

Quiz Game | *SvelteKit, MySQL, Tailwind, OpenTriviaAPI*

January 2024 – June 2024

- Collaborated with a teammate to develop a quiz game with a constantly updating question pool, increasing player engagement by 25%
- Streamlined user management by developing an admin dashboard to monitor activity and update questions
- Boosted security and user experience by implementing authentication and personalized game tracking

EXPERIENCE

Freelance Web Developer

June 2024 – Present

Self-Employed

Worcester, MA

- Enhanced client engagement by 30% by developing responsive, cross-browser-compatible websites using **React** and **SvelteKit**
- Delivered all projects on time by collaborating with clients to define requirements
- Leveraged advanced debugging techniques to identify critical bottlenecks causing delays; implemented solutions that resolved the three major causes of poor site responsiveness while ensuring peak application performance

Computer Repair Technician

October 2021 – Present

Self-Employed

Worcester, MA

- Delivered a 95% customer satisfaction rate by diagnosing and repairing 50+ desktops and laptops
- Minimized data loss incidents by 80% by implementing a backup system for clients
- Boosted repeat business by 10% by simplifying technical explanations

Team Member

November 2020 – November 2021

Papa Gino's

Worcester, MA

- Elevated customer satisfaction by 20% by streamlining service operations during peak hours
- Saved the company \$1,000 annually by reducing inventory waste by 15%

EDUCATION

Fitchburg State University

Fitchburg, MA

Bachelor of Science in Computer Science

September 2021 – December 2024