

# Alexander Gervais

<https://github.com/FreddyMaster> | [aj@gervaisunplugged.com](mailto:aj@gervaisunplugged.com) | <https://www.linkedin.com/in/ajgervais/>  
<https://alexander-gervais-portfolio.vercel.app/>

## EDUCATION

**Fitchburg State University**  
*Bachelor of Arts in Computer Science*

Fitchburg, MA  
September 2021 – December 2024

## EXPERIENCE

**Freelance Web Developer**  
*Self-Employed*

June 2024 – Present  
Worcester, MA

- Developed responsive, cross-browser-compatible websites using modern frameworks like React and Svelte, enhancing client engagement and user experience
- Collaborated with clients to identify project requirements, delivering tailored web solutions that resulted in a 100% on-time delivery record and improved client satisfaction
- Optimized website performance, scoring above a 95% lighthouse scores across all metrics

**Computer Repair Technician**  
*Self-Employed*

October 2021 – Present  
Worcester, MA

- Diagnosed and resolved hardware and software issues across 50+ desktops and laptops, achieving a 95% customer satisfaction rate and boosting word-of-mouth referrals
- Designed and implemented a backup system that decreased data loss incidents by 80%, providing clients with reliable data protection solutions
- Simplified complex technical issues for customers, enhancing understanding and contributing to a 10% rise in repeat business

**Team Member**  
*Papa Gino's*

November 2020 – November 2021  
Worcester, MA

- Streamlined customer service operations, serving 100+ customers daily
- Reduced inventory waste by 15% through meticulous supply management, saving the company approximately \$1,000 annually
- Enhanced customer retention by providing efficient and friendly service

## PROJECTS

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

January 2025 – Present

- Spearheaded the development of the portfolio using React and NextJS, effectively showcasing my skills and previous projects
- Achieved over 95% scores across all lighthouse metrics
- Implemented interactive components using Framer Motion and React JS
- Deployed the Website on Vercel ensuring fast performance utilizing their Content Delivery Networks

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

June 2024 – Present

- Developed an interactive promotional website for a tarot reader, improving user engagement and a 20% increase in client inquiries
- Utilized SvelteKit to build a fast, dynamic frontend, optimizing user experience and interaction
- Leveraged Cloudflare's Content Delivery Network to ensure optimal performance, improving website load times and scalability
- Integrated the YouTube API to embed Cosmic Boogeyman's videos on the website driving traffic towards his YouTube channel
- Achieved over 95% on lighthouse performance metrics ensuring fast load times and a responsive UI

**SubGenGUI** | *Python, Flask, Tailwind, Whisper*

May 2024 – Present

- Engineered an automated subtitle generation tool using Python, Whisper AI, PyTorch, and Django, streamlining the subtitle creation process for users
- Reduced manual effort by 50%, allowing users to generate subtitles quickly and accurately

- Achieved 3x faster video processing compared to manual transcription, significantly improving content production efficiency
- Integrated Whisper AI and PyTorch to enhance subtitle accuracy across various video formats and languages, delivering high-quality results in less time

#### Quiz Game | *Sveltekit, MySQL, Tailwind, OpenTriviaAPI*

January 2024 – June 2024

- Developed a quiz game using SvelteKit, allowing users to answer trivia questions without errors, integrated with the OpenTriviaAPI for a dynamic question pool
- Built an admin dashboard for managing users, monitoring game activity, and updating trivia questions, streamlining administrative tasks
- Integrated a login system with user authentication to enable personalized experiences and track individual user progress
- Stored and managed user data with MySQL and Prisma, ensuring secure data persistence and smooth user experience across sessions
- Designed a responsive, user-friendly interface using Tailwind CSS, optimizing gameplay across multiple devices

#### TECHNICAL SKILLS

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

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

**Developer Tools:** Git, Docker, Cloudflare, Vercel