FINLEY HARRISON

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EDUCATION

University of Waterloo **2023 - Present**
Bachelor of Computer Science, Honours Co-op Program CAV: 86.07
Relevant Coursework: Data Structures and Data Mgmt, Object-Oriented Software Development, Computer Organization and Design, Foundations of Sequential Programs

EXPERIENCE

University of Waterloo IST **May 2024 - Aug 2024**
Service Desk Specialist *Waterloo, ON*

- Manged **200+ requests per week** from students and staff in need of technical support over the phone, Jira, and LiveChat
- Demonstrated strong communication skills by simplifying complex technical concepts for end users, resulting in the **highest client reviews** of the term.
- Redesigned the IST's student rental system using Jira, enhancing user experience and operational efficiency.
- **Serviced over 15 campus buildings** to resolve ethernet and audio/visual issues.

Nettwerk Music Group **2021 - 2024**
3D Developer *Waterloo, ON*

- Created **50+ captivating 3D animations** for music videos, using elements such as modeling, lighting, and animation in Blender.
- Elevated visual appeal and narrative depth through meticulously crafted animations, seen on platforms such as Spotify, Amazon Music, Youtube Music, etc.
- The visuals **increased listener engagement**, contributing to many songs being added to different playlists with one having over 5,000,000 saves.
- Consistently delivered projects ahead of schedule, **meeting tight deadlines**.

PROJECTS

 JukeBox ‖ *React, Tailwind CSS, TypeScript, Appwrite, Spotify API*

- Designed and implemented a **responsive social media platform** for music reviews using React, enabling users to share, rate, and discover music.
- Developed and integrated core functionalities, including a **dynamic review system**, user authentication, and personalized recommendation algorithms.
- Utilized the **Spotify API** for seamless music discovery and **Appwrite** for relational database management and user authentication, ensuring a secure and user-friendly experience.

 Personal Porfolio ‖ *React, Tailwind CSS, TypeScript, Framer Motion, Email JS*

- Used React, Tailwind CSS, and Framer Motion to create an animated, dynamic, and appealing website.
- Created a **SEO optimized website** that at one point was the **2nd search result** for "finley harrison".
- Utilized Email JS to create a contact form with an auto-reply.
- Obtained and integrated a domain name with Vercel.

 Ray Tracer ‖ *C++*

- Developed a C++ ray tracer, demonstrating advanced understanding of **object oriented programming** and computer graphics principles.
- Implemented features such as ray-sphere and ray-plane intersections, reflection, refraction, and texture mapping.
- Optimized rendering pipeline performance with bounding boxes, achieving an **8x speedup in render efficiency**.

TECHNICAL SKILLS

Languages	C, C++, Python, JavaScript, TypeScript, HTML/CSS, Bash, Racket, LaTeX
Frameworks/Tools	React, Tailwind CSS, Bootstrap, jQuery, Redux, Git, Relational Database
	Adobe Suite, Jira, Confluence, Blender, Maya, Unreal Engine