

# FINLEY HARRISON

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## EXPERIENCE

### University of Waterloo IST

May 2024 - Aug 2024

*Service Desk Specialist*

*Waterloo, ON*

- Managed **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](#) (In Development) || *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 working on personalized recommendation algorithms.
- Utilized the **Spotify API** for seamless music discovery and **Appwrite** for database management and user authentication, ensuring a secure and user-friendly experience.

### [🔗 Personal Portfolio](#) || *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, Appwrite, Adobe Suite, Jira, Confluence

## EDUCATION

### University of Waterloo

2023 - Present

Bachelor of Mathematics, Honors Co-op Program

GPA: **3.73 / 4.0**

Relevant Coursework: Object-Oriented Software Development, Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Logic and Computation