

CHARLES JR OHIRI

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📍 Vancouver, Washington 📞 (425)-274-6673 🌐 hnklua.neocities.org

Software Engineer

EDUCATION

Washington State University
Bachelor of Science, Computer Science

Aug 2018 - Jan 2021, Jan 2024 - Present

SKILLS

Languages: C, C++, Java, JavaScript, TypeScript, SQL
Framework/Libraries: React, Next.js, WebGL, OpenGL, libGDX
Tools: GIT, Unix/Linux, WSL
Web: HTML, CSS, Tailwind

PROJECTS (ALL AVAILABLE IN GITHUB)

Game Engine 🌐 *August 2025 - December 2025*

- Built a custom WebGL game engine implementing dynamic lighting and mesh rendering.
- Implemented scene graphs and matrix transformations for hierarchical object movement.
- Developed procedural terrain generation using Perlin noise.
- Optimized rendering pipeline to reduce draw calls by 10%.
- Technologies: JavaScript, HTML, WebGL

Portfolio Website 🌐 *January 2026 - Present*

- Built a custom website hosted in neocities implementing the React and Next.js framework and utilizing the Tailwind CSS framework.
- Technologies: JavaScript, React, Next.js, Tailwind CSS

Multi-threaded Quicksort 🌐 *November 2024*

- Implemented multithreaded quicksort in C using POSIX threads and custom memory management.
- Performs 7% faster than standard library qsort()
- Technologies: C

WORK EXPERIENCE

FedEx Express *November 2023 - Present*

Courier

- Managed time-sensitive deliveries with strict deadline requirements.
- Operated independently while maintaining high accuracy and efficiency.
- Communicated effectively with customers to resolve delivery issues.

Washington Youth Soccer *August 2015 - Present*

Referee

- Ensures a safe environment for young players.
- Work with a team of referees to make critical, split second on field decisions following the IFAB laws of the game.
- Communicate effectively with coaches and players to ensure an integral, fun, competitive environment for developing players.

EXTRACURRICULAR

WSU Vancouver Black Scholars Association *January 2024 - April 2025*

Member

- Foster academic excellence, provide mentorship and build community for Black students at WSU.

RELEVANT COURSEWORK

- Data Structures, Systems Programming, Computer Graphics, Computer Game Design, Operating Systems.