

Jordan Roberts

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SKILLS

- **Languages:** C++, Python, Java, JavaScript, MSSQL.
- **Frameworks/Libraries:** OpenGL, GLFW, Eigen, GLM, ImGUI, ReactJS, TailwindCSS
- **Soft Skills:** Communication, Problem Solving, Work Ethic, Adaptability, Teamwork, Open-Minded, Patient, Time Management, Attention to Detail.

EDUCATION

University of Oklahoma(*enrolled*)

(*in progress*) May, 2023

BS in Computer Science, Minor in Mathematics

Norman, OK

- Dean's Honor Roll, President's Honor Roll spring '22. Current GPA: 3.71/4.0.

PROJECTS

Personal Website in ReactJS and TailwindCSS | [Github](#)

- Designed and created jordanrobertsdeveloper.com, written in Javascript, React, and TailwindCSS.
- Implemented responsive UI design that scales across desktop and mobile devices.
- Organized the project using version control (git) and Github to keep track of changes.

Flappy Bird in C++ and OpenGL | [Github](#)

- Developed a recreation of the mobile game Flappy Bird in low level c++ and OpenGL.
- Researched and combined various 3rd-party libraries such as GLM, ImGui, and OpenGL/glew.
- Learned how to communicate between the CPU and GPU using OpenGL and shaders to make a real-time high-performance application.
- Abstracted underlying OpenGL calls to maintain readability and scalability.

2D Physics Simulator in C++ and OpenGL | [Github](#)

- Developed a 2D physics simulator that uses physics to intuitively resolve collisions in C++ and OpenGL.
- Adapted and modified the rendering code from the above project to be more high-performance for the given use case due to the large number of objects and computations.
- Shifted the focus and design to a more data-driven programming paradigm to improve the high-performance nature of the application.

WORK EXPERIENCE

Walmart Neighborhood Market

Jun. 2018 – Aug. 2022

Customer Service Associate

Broken Arrow, OK

- Helped customers resolve complaints to their satisfaction.
- Handle and process financial services for customers.
- Communicate and coordinate with coworkers to keep efficiency high up front.

INTERESTS

- High-performance/Low-level applications, Music Production/Consumption, Gaming, GameDev/Rendering, Building PC's, Keyboards