Elvyn Agboto

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Education

Nashville State Community College, Associate of Science in Computer Science – Nashville, TN — Expected May 2028
GPA: 4.0

University of Tennessee, Knoxville, Coursework for B.S. in Computer Science – Knoxville, TN — Jul 2020 – Dec 2023

Skills

Languages: C++ (C++17)

Tools: Visual Studio, VS Code, Git/GitHub, Excel, g++, CMake

Libraries & Concepts: C++ Standard Library, Multithreading, Object-Oriented Programming (OOP)

Projects

C++ Ray Tracer — Oct 2026

Multithreaded path tracer in C++17, extending *Ray Tracing in One Weekend* with parallel rendering

- Parallelized rendering across CPU cores with std::thread and an atomic work queue, achieving a 6.8x speedup on 8 threads
- Structured as modular header files with a CMake build and command-line options for resolution, quality, and thread count
- Implemented ray–sphere intersection, matte, metal, and glass materials, and depth of field using vector math

Experience

Server's Assistant, Pastis – Nashville, TN — Jun 2026 – Present

- Memorized the full menu, including ingredients and allergens, while training toward a server role
- Kept service on schedule during high-volume dinner rushes by anticipating table needs before guests asked
- Supported servers across multiple tables per shift by running food, resetting tables, and relaying guest requests

Barista, Starbucks Coffee Company – Nashville, TN — May 2022 – Present

- Resolved issues quickly for customer satisfaction in a store averaging 400+ transactions per shift
- Handled drive-thru, mobile, and in-store orders at the same time, prioritizing by wait time
- Coordinated with teammates across register, bar, and drive-thru to keep orders moving during rushes

Honors Ambassador, University of Tennessee – Knoxville, TN — Apr 2021 – Dec 2023

- Represented the Honors program to prospective students and families at recruitment events
- Led multiple campus tours, presenting program info clearly and confidently
- Spoke on student panels for audiences of 100+

Membership Chair, National Society of Black Engineers – Knoxville, TN — Sep 2020 – May 2023

- Onboarded 50+ new members, connecting them to chapter resources and national NSBE programs
- Tracked membership and dues using Excel, keeping records accurate and up to date
- Collaborated with the executive board on chapter goals and event planning

Resident Assistant, University of Tennessee – Knoxville, TN — Apr 2021 – May 2022

- Supported 33 residents as first point of contact, troubleshooting and escalating issues
- Wrote accurate, confidential incident reports and maintenance requests
- Responded to time-sensitive situations during on-call shifts

Honors

- University of Tennessee's 1794 Scholars Program