

DONTRE QUARLES

Computer Science Internship

✉ ddquar03@louisville.edu
☎ 931-302-3565
📍 Louisville, KY
🌐 <https://www.linkedin.com/in/dontre-quarles-a549b924b/>

EDUCATION

Bachelor of Arts
Computer Science

**J.B. Speed School of Engineering,
University of Louisville**

📅 August 2022 - current
📍 Louisville, Kentucky
📊 GPA 3.41/4.0

Relevant courses

- Discrete Structures
- Intro to Algorithms
- Data Structures
- Artificial Intelligence
- Intro to Software Engineering
- Computer Systems and Organization
- Intro to Database

TECHINICAL SKILLS

Languages

- Python
- Java
- C/C++
- Javascript

Web Technologies:

- HTML
- CSS
- React
- Wordpress

CAREER OBJECTIVE

OBJECTIVE Computer Science Internship for Summer 2025

WORK EXPERIENCE

Office Clerk

University of Louisville, Physical Plant

- 📅 November 2022 - April 2023 📍 Louisville, KY
- Assisted employees with software, hardware, and filing troubles.
 - Maintained computers, printers, and scanners for faculty and staff.

Resident Assistant

University of Louisville, Housing

- 📅 August 2023 - May 2024 📍 Louisville, KY
- Performed administrative tasks, including maintaining accurate records, managing communication channels, and collaborating with other residence life staff.
 - Provided mentorship and leadership development opportunities for residents, empowering them to take on active roles within the community.

Web Developer

BrandSurge

- 📅 March 2024 - current 📍 Louisville, KY
- Developed client web applications using WordPress, HTML, CSS, and JavaScript in a small team.

PROJECTS

Course Projects

- **Full Stack Development:** Designed and developed Skillsync, a personalized learning platform using Supabase and React, featuring adaptive quizzes, tailored learning resources, performance tracking, and secure user authentication.
- **C++:** Implemented Breadth-First Search (BFS) and Depth-First Search (DFS) algorithms to solve a modified Traveling Salesperson Problem, comparing pathfinding efficiency, with BFS finding the shortest path and DFS optimizing for execution speed.
- **Python:** Implemented a Genetic Algorithm to solve the Traveling Salesperson Problem, incorporating Ordered and Partially Mapped Crossovers, and visualized the algorithm's progression using a dynamic GUI.

Independent Projects

- **Website Design:** Designed and deployed portfolio website using frontend development skills.

- Next Js

Database

- SQL
- Prisma

ACTIVITIES

- Member, J.B. Speed School of Engineering Student Council, September 2022 - present
- Services Vice President for Student Government Association: Oversees and coordinate, with administration, all university services for a student body of over 20,000, ensuring efficient delivery and continuous improvement of student services.
- Phi Kappa Tau Head of Risk Management on the Executive Council, 2023-present
- Held two chair positions that lead media development and well-being, 2022-2023.

- Twitter Bot: Designed and deployed a twitter bot that sends automatic, customizable, tweets.