

Berhane Wheeler

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EDUCATION

Berea College

Expected Graduation Date: *May 2027*

*Bachelor of Arts in **Computer Science** & Bachelor of Science in **Business Administration***

Relevant Courses: Data Structures, Intro to Web Development, Discrete Mathematics, Human-Centered Computing, Electricity and Electronics

Societies: National Society of Black Engineers (NSBE), ColorStack, CodePath, SEO Career

SKILLS

Programming Languages: C++, C#, Python, Kotlin, JavaScript, TypeScript, React.js

Technologies: GitHub, Git, Figma, Bootstrap, Unity, PreTeXt, Linux, HTML, CSS, Firebase Firestore, IntelliJ, Visual Studio

TECHNICAL EXPERIENCE

Lead Computer Science Teaching Assistant for Data Structures

Aug 2025 - Present

Computer Science Department, Berea College

Berea, Kentucky

- Supervised a team of 6 teaching assistants and coordinated lab materials for weekly sessions serving 120+ students
- Graded 4 coursework assignments per week for 40+ students and assisted the professor during lectures.

Software Engineering Intern

June 2025 - Aug 2025

JP Morgan Chase

Columbus, Ohio

- Contributed to the firm's phonebook web app using React and TypeScript, implementing social features that improved discoverability and engagement among employees, resulting in 30% more use of the phonebook, and passed 95% unit-test coverage.
- Contributed to Nexus, an internal IoT management tool used by over 2,000 employees, by implementing download templates on key pages using React, TypeScript, and internal libraries, reducing navigation time by 25%.
- Boosted data integrity in Nexus by fixing backend upload issues in Kotlin and implementing frontend validation for MAC, IP, and TCP IDs, decreasing device onboarding errors by 40%.

Software Engineering Intern

May 2025 - June 2025

Runestone Academy

- Merged 15 PRs by incorporating a uniform page formatting across 9 book chapters, enhancing study flow by 24% for 25000+ students.
- Converted 3 restructured textbooks into a single textbook in PreTeXt format, facilitating global classroom use by professors.

Computer Science Teaching Assistant for Data Structures

Aug 2024 - May 2025

Computer Science Department, Berea College

Berea, Kentucky

- Led two weekly lab sessions for 120+ students, reinforcing C++ programming and data structure concepts.
- Graded 4 coursework assignments per week for 40+ students and assisted the professor during lectures.

TECHNICAL PROJECTS

Asteroid Audit – HackPrinceton'24 ([Project](#))

- Collaborated with a team of 4 developers to develop a gamified web application to learn how to do taxes in under 36 hours.
- Developed a login system with PHP & SQL, the game with C# & Unity, and a web-based application with HTML, CSS, & JavaScript

Purse Pursuit | C#, Unity ([Project](#))

- Developed a 3D arcade-styled game where the player steals money from people on the street to pay bills.
- Utilized Unity and C# for scripting gameplay mechanics, and Blender for creating and animating 3D models.

Berhane Wheeler Website ([Website](#))

- Developed a responsive website to display my technical skills and projects utilizing HTML, CSS, Bootstrap, and JavaScript.

LEADERSHIP EXPERIENCE AND ACTIVITIES

National Society of Black Engineers (NSBE) – Secretary

Aug 2025 - Present

- Record and distribute meeting minutes, manage chapter documentation, and ensure timely communication with members.
- Partner with the Executive Board to coordinate events and initiatives that encourage participation and strengthen the NSBE community.

Entrepreneurship Club – President of Berea College Entrepreneurship Club

Jan 2025 - Present

- Led and organized tech entrepreneurship workshops, mentoring 60+ students in business development, pitching, and product-market fit.
- Guided teams in developing and refining startup ideas, integrating technology-driven solutions for pitch competitions, and pursuing external funds.

Computer Science Educational Content Creator ([YouTube Channel](#))

Oct 2020 - Present

- Created and managed the YouTube channel, Konita, for programming tutorials that achieved 660,000+ views and 2,810+ subscribers.
- Utilized JavaScript, Python, C#, and Scratch during my tutorials and development vlogs.