

# Kafui Gle

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## EDUCATION

**Berea College, Berea, KY** **Expected:** May 2027  
**Major:** B.A Computer and Information Science **Minor:** **B. A. Economics** **GPA:** 3.96/4.0

**HONORS & AWARDS:** Berea College Full Tuition Scholarship (\$200,000), Class of 1942 Scholarship Recipient (Berea College), Dean's List (Fall 2023-Present), Bridge Conference Scholarship Recipient, Emerging Scholar (Berea College)

## TECHNICAL SKILLS/COURSEWORK

- Programming languages:** Python, C++/C, JavaScript, Bash, SQL
- Web Technologies:** HTML, CSS, Bootstrap, Jinja, jQuery, Flask, Docker
- Relevant Coursework:** Software Design and Implementation, Data Structures and Algorithms, Calculus I (Spring 2024), Introduction to Web Development, Macroeconomics, Electricity and Electronics, Microeconomics
- Software:** Git, GitHub, Visual Studio Code, PyCharm, WebStorm, CodeBlocks, GitHub Actions, **Linux**
- Certifications:** **J.P Morgan Chase & Co.** Software Engineering Job Simulation, CodePath Technical Interview Prep.

## PROFESSIONAL EXPERIENCES

**Full Stack Software Engineer Intern, Berea College** **June - August 2024**

- Designed and developed web applications for Berea College's CELTS department to serve **1600** + students and **300+** faculty, in a team of 14 interns.
- Used the agile methodology, utilizing technologies such as Flask, Python, Jinja, JavaScript, HTML, Bootstrap, CSS, and AJAX while integrating in **LINUX** environments.
- Collaborated in different teams using the teletype feature in Atom to design test code and fix bugs in the application.
- Lead scrum meetings to discuss the accomplishments and the progress of current projects.

**ETAD 265 TA (Electricity and Electronics).** **August 2023 -Present**

- Facilitated office hours for 100+ students, enhancing their understanding of use of Arduino and Raspberry Pi through clear explanations, diagrams, and code walkthroughs.
- Provided support to 100+ students with their assignments and explained challenging concepts related to electricity, including voltage, current and resistance.

**Lab Assistant, Berea College, Berea, KY.** **August 2023– Present**

- Gained technical training in C++ for Arduino Control, improving project efficiency by 15% through optimized code and hardware integration.
- Collaborated with a team of **3+** to design and manufacture an RC car, focusing on team-based problem solving and innovative design, which resulted in a 20% reduction in development time.
- Utilized Eagle Software to design and cut PCB's, ensuring precision and functionality in electronic components.

## PERSONAL PROJECTS

**Personal Website: Project Lead** **August 2024**

<https://kafuigle.com/>

- Developed a responsive personal website utilizing HTML5, CSS3, JavaScript.
- Released multiple iterations based on user research and user feedback to incorporate new features to meet evolving user needs.
- Employed a modular design to enhance code organization, maintainability, and scalability.

**Family Appreciation Website** **April 2024**

- Created a user-friendly platform where **20+** students at my college could send heartfelt messages to their loved ones using (HTML, CSS, JavaScript, and FormSpree API).
- Streamlined the UI/UX flow by implementing intuitive navigation and visual feedback, reducing user friction in the user journey by 30%.
- Improved user satisfaction by 20% by conducting user research and user feedback through surveys and one on one interviews.

## LEADERSHIP/EXTRACURRICULAR ACTIVITIES

**Membership Chair, Berea Chapter of NSBE, Berea KY** **May 2024- Present**

- Managed club membership records, ensuring accurate and up-to-date member records.
- Served as the point of contact for prospective and current members, providing information about club activities and benefits.
- Implemented strategies to increase member involvement and participation in club events and initiatives.

**Technology Director, African Students Association, Berea KY** **May 2024- Present**

- Setup ticketing and registration processes for events, streamlining attendance management and collecting valuable data.
- Utilized collaboration tools like Slack and Google Drive to coordinate with other organizations and showcased the diverse perspectives and cultures celebrated on campus.

## AFFILIATIONS AND OTHER SKILLS

- Affiliations:** National Society of Black Engineers (NSBE), Google Developer Club, Code Path, ColorStack
- Interests/Other Skills:** Debugging, Agile Methodologies, Problem Solving, Teamwork, **Guitar Player**