

Elijah Babayemi

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EDUCATION

Berea College

Aug 2022 – Dec 2026

B.A., Computer Science | Minor: Communication | Berea, KY

- Achievements: Berea College Tuition Promise Scholarship (\$176,000), Gilman Scholar
- Relevant Coursework: Software Design & Implementation, Data Structures, AI and Machine Learning, Compiler Design & Implementation, Cybersecurity and Ethics, Computational Complexity and Modeling, Human-Centered Computing

TECHNICAL SKILLS

Languages: Python, C++, Lua, VBA **Frameworks:** PyTorch, YOLOv5, SageMath

Documentation & Markup: HTML, CSS, XML, Markdown, PreTeXt **Content & Collaboration Tools:** Confluence, Jira, SharePoint

Dev Tools: Git, GitHub, VSCode, PyCharm, Google Colab, Linux (Ubuntu), Claude Code **Methodologies:** Agile/SAFe, Technical Editing, Style Guide Adherence

PROFESSIONAL EXPERIENCE

Leidos

May 2026 – Present

Technology Enablement & Technical Documentation Intern | Remote

- Partnered with **10+** cloud engineers and specialists to document architectures and solutions deployed across AWS and Microsoft Azure, authoring **20+** architecture overviews, implementation guides, and SOPs for the Enterprise Hosting Services platform.
- Converted and restructured **25+** internal Confluence pages into clean, standardized documentation covering onboarding, AWS console access, CyberArk, Splunk, and vulnerability management, improving readability and reducing article revision requests by **~20%**.
- Documented a pre-approved, automated workflow for provisioning cloud environments, streamlining the deployment process to a **48-hour** turnaround.

Runestone Academy

May 2025 – Aug 2025

Software Engineer Intern | Remote

- Worked independently and in a team to design, implement, and verify interactive software components for an open-source platform serving **100K+** college CS students across the **Data Structures and Algorithms**, **Computer Systems Security**, **Intro to Data Science**, and **Intro to Python** textbooks, applying strong initiative to deliver features across all four textbooks.
- Demonstrated critical thinking and problem-solving skills by investigating and resolving **50+** defects in production code, improving platform reliability and performance through structured Git and GitHub workflows.
- Authored clear technical documentation for **6** platform components in PreTeXt, HTML, and XML, communicating findings effectively to contributors and ensuring consistency across web-based course materials.

Outlier

May 2024 – Aug 2024

AI Model Evaluation Engineer | Remote

- Applied data analytics skills to evaluate **500+** AI model outputs weekly, analyzing performance across accuracy, reasoning, and consistency to identify systematic failure modes and guide model improvements.
- Developed **400+** structured and adversarial test cases weekly to stress-test model behavior under edge cases, identifying **3 to 5** failure patterns per cycle and improving instruction-following reliability by **~20%**.
- Communicated technical findings clearly through structured analytical reports, reducing critical error rate by **~15%** and improving system consistency across **3+** review cycles.

PROJECTS

Computer Vision Object Detection | Python, PyTorch, YOLOv5

Jun 2025

- Built an end-to-end machine vision pipeline using PyTorch and YOLOv5, processing user-uploaded images and generating real-time annotated outputs with bounding boxes across **10+** object classes.

Custom Compiler with AST Generation | Lua

Apr 2025

- Designed and implemented a compiler supporting **10+** grammar rules across the full pipeline from lexing through machine code output, applying systematic problem-solving and embedded software principles to validate correctness end-to-end.

Geolocation Event Planner | Python

Apr 2024

- Built an interactive Python application with real-time location classification across **6 continents**, processing structured spatial data through a custom detection and analytics pipeline.

LEADERSHIP EXPERIENCE

Berea College ColorStack

Oct 2025 – Present

Peer Mentor

- Mentored **5+** underrepresented CS students in technical interview prep, resume strategy, and career navigation, building an inclusive community of emerging technology professionals.

Berea College NSBE

Dec 2024 – Present

Programs Coordinator

- Demonstrated leadership by planning and executing **6+** professional development workshops per semester for **30+** attendees, coordinating cross-team logistics and increasing member engagement by **~25%**.

Berea College Google Developer Student Club

Aug 2023 – Present

Workshop Coordinator

- Led technical workshops for **20+** students on software development, data analytics, and AI tools.