

SAM VILLAHERMOSA

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EDUCATION

Berea College, Berea, Kentucky, United States

August 2021 – May 2025

GPA: 3.94/4.0

- **Bachelor's in Computer Science**
- **Relevant Courses:** Building Better Apps, Graphic Com and Design, Electricity and Electronics, Software Design & Implement, Data Structures and Algorithms, Computer Organization, Discrete Math, Programming Languages, Open Source Software Engineering, Theory of Computation, Studio in Graphic Design
- **Honors and Awards:** Four-Year Full No-Tuition Scholarship Until Graduation, Dean's List

EXPERIENCE

Software Developer, Berea College, Berea, KY

January 2024 – Present

- Provided full-stack development solutions for the MyBerea website, enhancing functionality for 2,300+ users.
- Wrote and optimized over 4,000 lines of code to meet the needs of various school departments.
- Participated in deploying updates and new features, ensuring smooth integration with minimal user disruption.
- Communicated closely with clients, incorporating feedback to enhance user experience.

Research Assistant, Berea College, Berea, KY

May 2024 – July 2024

- Analyzed 1,000+ astrophotographic images, using parallel processing to reduce image analysis time by 80%.
- Developed Python algorithms for image partitioning, enabling high-resolution space images to be divided accurately with no data loss.

IT Technician, Information Technology Department, Berea College, Berea, KY

January 2023 – January 2024

- Improved departmental efficiency by 25% by training and mentoring technicians in troubleshooting methods.
- Provided technical support to 500+ students, faculty, and staff with various computer-related issues.
- Resolved hardware and software problems on 200+ devices to ensure optimal performance for users.

Complex Assistant, Alumni Building, Berea College, Berea, KY

August 2021 – May 2022

- Created lasting partnerships with 1,000+ visitors and donors, demonstrating exceptional conflict resolution skills that ensured positive experiences.
- Organized and executed 5+ successful events that increased student participation and engagement by 40%.

PROJECTS

Runestone Academy | HTML/CSS, JavaScript, Git, Docker, PostgreSQL, PreText

August 2023 – January 2024

- Collaborated with a diverse community of developers to enhance project features and educational resources, including the implementation of an interactive feedback button to support student and instructor interactions.
- Applied Agile and Scrum methodologies, enabling effective teamwork, iterative development, and adaptability to changing project requirements.

React Portfolio Website | React, Tailwind CSS, GitHub

October 2023 – Present

- Developed a responsive portfolio website using React and Tailwind CSS to showcase projects and skills.
- Enhanced user experience by implementing React libraries to incorporate animations and interactive elements.

Chess Game | Java, Eclipse

February 2023 – March 2023

- Designed a chess game in Java, using classes and inheritance to apply Object-Oriented Programming (OOP) principles for modular and maintainable code.
- Engineered chess logic and a player-versus-computer system to improve the gaming experience.

SKILLS

- **Programming:** Python, C++, C#, Java, HTML, CSS, JavaScript, SQL, KQL, Object-Oriented Programming
- **Technologies:** React, Node.js, Bootstrap, Firebase, Tailwind, ASP.NET, Jenkins, Docker, jQuery
- **Developer Tools:** GitHub, Git, VSCode, Visual Studio, Eclipse, PyCharm, Bitbucket

ACTIVITIES

Member, Phi Kappa Phi Honor Society

March 2024 – Present

- Recognized for academic excellence and commitment to scholarship, leadership, and service.
- Involved in networking events providing resources, alumni networks, career insights, and interview preparation.

Member, Google Developer Student Club, Berea, KY

August 2022 – Present

- Engaged in a student-led network, enhancing technical skills through Google's developer resources.
- Worked with peers to solve local challenges, focusing on problem-solving and community impact.