

# NATHAN BAKARE

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## Professional Summary

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Motivated and detail-oriented Computer Engineering student with a passion for software development, embedded systems, and engineering design. Seeking opportunities to apply problem-solving skills and technical knowledge to innovative projects. Enthusiastic about learning and contributing to engineering teams.

## Education

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### University of Houston

August 2024 – May 2028

*Bachelor of Science in Computer Engineering*

*Houston, Texas*

### Relevant Coursework

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- Introduction to Engineering
- Computing For Engineers

## Experience

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### University of Houston

August 2024 – Present

*Computer Lab Assistant*

*Houston, Texas*

- Technical support, Provided technical support to over 50 students and staff monthly, resolving issues ranging from software installation to complex hardware troubleshooting, improving lab efficiency by 20 percent.
- Maintenance, Implemented a weekly maintenance schedule for 40 lab computers, including software updates, virus scans, and security checks,
- Training and Guidance, Conducted 5 training sessions on popular software applications, providing one-on-one guidance to 15 users monthly

## Projects

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### Physics-Based Robot Fighting Game

**Rust/Bevy**

- Developed an exciting 1v1 physics-based robot fighting game where players can battle with unique, customizable robots in dynamic arenas, each featuring distinct mechanics and challenges.
- Implemented a robot creator and arena editor to enable players to unleash their creativity and design unique gameplay experiences.
- Focused on delivering endless gameplay possibilities by incorporating user-generated content and dynamic mechanics.

## Extracurricular

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### Code Coogs

August 2024 – Present

*Member*

*University of Houston*

- Joining Code Coogs has provided me with opportunities to collaborate with peers on computer science projects, enhance my coding skills, and gain hands-on experience through workshops and events led by senior members. It serves as a foundation for building technical expertise and professional connections in the field of software engineering.

### NSBE (National Society of Black Engineers)

August 2024 – Present

*Member*

*University of Houston*

- Joining the National Society of Black Engineers (NSBE) as a freshman provides invaluable networking opportunities and hands-on experience, essential for building a successful career in computer engineering. It helps in developing technical, leadership, and community engagement skills that are critical for growth in the engineering field.

## Skills

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- **Programming Languages:** Java, C, HTML/CSS, Rust, Bevy
- **Developer Tools:** AutoCad (Fusion 360)
- Completed four years of engineering in high school.
- Earned a Fusion 360 certificate.
- Gained a solid foundation in design and engineering principles.
- Developed the ability to tackle complex projects with confidence.