

Yonnas Alemu

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GitHub Link/Projects: <https://github.com/Yalemu12?tab=repositories>

EDUCATION

Kennesaw State University

May 2026

Bachelor of Science - Computer Science/Minor in Information Technology

- KSU Honors College
- Relevant Coursework: (Calculus I, Discrete Mathematics, Hardware/Software Concepts, Programming I/II)

SKILLS

Languages: Java, Python, HTML/CSS, and JavaScript

Certifications: AWS Certified Cloud Practitioner

Applications: IntelliJ, Visual Studio Code, Pycharm, Vim, GitLab, Git Bash, and Linux

Operating Systems: Windows, Macintosh

EXPERIENCE

State Farm/Dunwoody, GA

May 2023 – August 2023

Software Engineer Intern

- Worked in Amazon EC2 instances
- Broke down Conversion Engine Python scripts into different functions
- Develop unit test cases for modularized Python scripts
- With one Conversion Engine code base, my testing allows the team to be confident the changes don't affect customers
- Participate in State Farm Annual Hackathon
- Earned my AWS Certified Cloud Practitioner, which helped my foundational knowledge of AWS

PROJECTS:

Snake Game Python

- Developed a classic Snake game using Python and the Pygame library, showcasing my skills in game development
- Designed and implemented key game components, including the snake's movement, collision detection, and food generation mechanics.
- Utilized object-oriented programming principles to create modular and maintainable code, enhancing code organization and readability.
- Integrated user input handling for a smooth gameplay experience, enabling players to control the snake's direction using keyboard inputs.

LEADERSHIP

KSU Electrical Vehicle Team (Software Team Member)
2023

August 2022 - February

- Assisting on our Autonomous Electrical Vehicle called Voltron, which is programmed using Python and C++
- Re-design our software architecture built around Ros2 and B-Spline SLAM

Habeshas at KSU (Community Service Committee)

April 2023 - Present

- Assist in coordinating community service events
- Take part in committee meetings every week to consult ideas and provide community service events.