

Bobby R. Stephens III

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OBJECTIVE STATEMENT

Dedicated and dynamic undergraduate student with a passion for learning and a strong work ethic. Seeking a career in computer engineering with a focus on embedded systems and software development in order to create solutions that improve the lives of others.

EDUCATION

Georgia Institute of Technology	B.S. Computer Engineering GPA : 3.0	June 2024 – Present
Georgia State University	Dual Enrollment GPA : 3.8	August 2022 – May 2024
Newton College and Career Academy	High School GPA: 101.0	September 2020 - May 2024

SKILLS

Programming: Python, C/C++, Java, JavaScript, HTML/CSS

Platforms: Linux (Arch, Debian, Red Hat), Windows, MacOS

Software: Autodesk AutoCAD, Adobe Photoshop, LaTeX, Apple Software (Final Cut Pro, Logic Pro, Motion), Microsoft Office Products, GitHub, Auth0, Firebase

Hardware: Raspberry Pi, Arduino, Desktop PC, Laptop

Other Skills: Sports and Studio Photography

PROJECTS & RESEARCH

- SmartGlass** | *Raspberry Pi, Python, Computer Vision, Bash, Fusion 360, GPIO, Firebase* March 2024
- Achieved a solution for those who struggle with memory loss through embedded systems and computer vision.
 - Fabricated a head-mounted system equipped with Raspberry Pi Zero 2 W, Raspberry Pi Camera 3, and tactile buttons. The device can detect objects in diverse environments using computer vision and QR (Quick Response) codes. Based on the user's input, the device can relay information to the user audibly through bone conduction technology.
- MyPlanter** | *Arduino, Python, C, GPIO, Onshape, Firebase* July 2023
- Developed a flower pot that could self-water and monitor the soil moisture, light levels, and temperature.
 - Fabricated using a custom 3D-printed flower pot and an Arduino Uno Wi-Fi Rev2.
 - Programmed components in C, Python, and JavaScript.

LEADERSHIP EXPERIENCE

- STEM Extension Project** | *Engineering Team Member & Planner* August 2021 – May 2024
- Coordinated the creation and implementation of hands-on engineering labs
 - Designed activities to teach students about fundamental engineering concepts.
- VEX Robotics Team 8682N** | *Lead Programmer* August 2021 – May 2024
- Oversaw the areas of research, development, and testing.
 - Mentored new programmers through the creation of a video tutorial series.

AWARDS AND CERTIFICATIONS

College Board National African American Recognition Program	2021 – 2022
Georgia Governor's Honors Program Finalist	2023
University of Georgia Certificate of Merit Recipient	2023
NOCTI Knowledge-Based Workforce Competency Credential - Computer Programming	2024