Malik Wesley

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EDUCATION

University of Alabama in Huntsville - Expected grad. May 2025   Huntsville, AL
- *B.S degree in Computer Science, Minor: Mathematics*   *Aug 2020 - present*

SKILLS SUMMARY

Computer Languages: C, C++, C#, CSS, Java, Python, RobotC, Lua, HTML, MySQL, JavaScript, .NET, Docker, AWS.
- **Trad. Languages:** Japanese - *beginner*.
- **Prog. Familiarities:** Unity, Photoshop, Matlab, Mech. Design CAD, Blender, Gits, VCS, IntelliJ, Docker, Linux
- **Comp. Skills:** Soldering, Computer Assembly, Circuit Debugging, Circuit Configurations, Reversing Engineering

EXPERIENCE

Booz Allen Hamilton   Hybrid
- *Summer Games Intern - Software Engineer*   *Jun 2023 - Aug 2023*

I spearheaded a 10-week project simulating a real-world accelerator to develop an inventive device capturing human poses through obstacles using RF signals. I led the integration of 802.11n wireless signals to extract Channel State Information, then channeled this data into a refined R-CNN model, resulting in an accurate 18-point skeletal representation. My role encompassed algorithm design, Linux-based data processing, model training, and UI development. Collaborating across disciplines, I optimized the solution for a Nano Jetson board and presented it compellingly, showcasing not only my technical proficiency but also my innovation, teamwork, and communication skills.

- *Summer Games Intern - Software Engineer*   *Jun 2024 - Aug 2024*

Collaborated in a 10-week project focused on creating digital twin technology using Unity, transforming drone footage into detailed 3D reconstructions through photogrammetry and a CNN-based model. Served as the lead technical programmer, developing a robust backend data pipeline and an interactive frontend with advanced features like commenting, simulation, and cost analysis. Managed the integration of project components in a collaborative GitHub framework, ensuring seamless project execution and code quality. Successfully presented the project outcomes, demonstrating both technical expertise and collaborative teamwork.

NeonLink   Remote
- *Server Management - Developer*   *Aug 2018 - Aug 2022*

I embarked on a personal project by establishing a dedicated machine server for Garry's Mod, igniting my passion for high-caliber programming. This endeavor motivated me to delve into a range of programming languages to elevate user engagement within the server environment. I harnessed my skills in mySQL for optimizing server performance, developed websites for donation purposes, integrated licensed forums, and more.

Daikin   Decatur, AL
- *Ambassador*   *Apr 2019 - Jul 2019*

According to being selected for the Daikin Homestay Program, All attendees were required to go through a 3-month preparation process to travel to Japan as an Ambassador of Daikin America. This 3-month process gave me skills of communication in Japan as a foreigner. This also gave me skills in the cultural adaptiveness of Japanese ethics. The attendees were also required to give a presentation speech about their experience while in Japan in front of major political & government figures in Alabama.

ACHIEVEMENTS

- 2018 Alabama State SkillsUSA (vex. spons) - 3rd Place in Mobile Robotics | 2 member team
- 2019 Alabama State SkillsUSA (vex. spons) - 1st Place in Mobile Robotics | 2 member team
- Attendance in 2019 National SkillsUSA - Mobile Robotics | 2 member team
- Student Honors - Lawrence County
- Selected as an Ambassador for the 2019 Daikin 2019 Japanese - Lawrence County District

CERTIFICATES

- **OSHA:** Construction Safety & Health   *exp. 2018 - 2023*
- **Diploma:** East Lawrence High School   *exp. 2020 - N/A*