

MIREMBE PEACE MERCY

**Job intention: Junior frontend developer /
Embedded systems engineer.**

Projects:

1. AC 3000 - Smart Air Cooling system (personal)

I designed and created an IoT-based cooling system that automatically adjusts fan speed depending on the room temperature and allows control override through an associated application and a control knob.

2. Eden Botanical Gardens - E-commerce website (Team project)

We designed and developed a full stack web application for plant sales, my role was designing and building the frontend and section of the backend.

3. Typing Game - Educational Web App (Team project)

Built a Vue + Vite based web game to improve computing students typing speed within the university.

4. Digital scoreboard - IoT hardware project (Team project)

Designed and programmed an LED matrix scoreboard with remote control via wifi integrated with a mobile and web interface for sports events in the university.

Leadership:

**President of Gaming and AR chapter at Uganda
Christian University**

Education:

Uganda Christian University

**Program: Bachelor of Science in Computer Science
2024.05 - 2027 (Expected graduation)**

Average GPA: 4.2/5.0

Uganda Martyrs' S.S.N (A-levels)

**Subjects: Physics, Chemistry, Mathematics, sub-sidiary
computer.**



About Me

I am an enthusiastic Computer Science student who is passionate about IoT, Embedded systems and Full stack development. I am experienced in designing hardware, software integrated projects, developing APIs and databases, creating web applications which I have acquired through personal and team projects.

Skills

Programming: Python (advanced), JavaScript, C, C++ (Embedded systems).

Web development: Vue + Vite, Next.js, Tailwind CSS, Fast API

Databases: MySQL, MongoDB

IoT & Embedded systems: Arduino, ESP32, Raspberry Pi

Tools: Git/Github, Docker/ VScode/ Figma /Blender /Trello.

Contact

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