

Sigridus Amwaalwa

+264 812915054 • Windhoek, Namibia • amwaalwa.sigridus@gmail.com

EXPERIENCE

STEM Facilitator

Jan. 2019 - July. 2022

Pepperdine University | Malibu, CA

I worked in a Participant support organization for the Advancing Informal Science Learning grant from the National Science Foundation to Pepperdine University, entitled “International Community for Collaborative Content Creation, IC4.” I worked with **more than 300 students** from different universities worldwide.

Program Mentor

Jan. 2024 - Present

Genius Robotics | Windhoek, Namibia

I'm a Program mentor for a national robotics organisation called **Genius Robotics** where mentors, such as myself, teach high school students how to build and program robots. We attend international challenges in different countries every year. We managed to place Namibia in a global ranking of **7th** out of **197 countries** and ranked **3rd** best in the African continent.

PROJECTS

Student Result Management System

- This Student Result Management System is a robust platform meticulously built to streamline and enhance the management of student grading, reducing processing time for grading tasks by **90%**.
- This system empowers administrators, lecturers, and students with tailored functionalities to ensure a seamless and efficient academic experience.
- This management system was built using Java as the back-end language, MySQL as the database and Javascript, HTML and CSS for the front end.
- The Admin dashboard provides a centralized hub for overseeing the entire grading process.
- The Student Module offers a secure portal where **100%** of students can view and download their grades and academic progress as well as access them anywhere.
- Improved data entry speeds by **70%** with a user-friendly interface that allows for ease of navigation and a seamless experience for students.
- Lecturer Modules are provided with tools to efficiently manage grading tasks.
- Able to add and delete grades for students with precision, providing timely and accurate feedback to students.

Genius Robotics Website

- Designed a UI/UX-friendly website for a robotics organisation using a collaborative web design tool called **Figma**.
- Built the first draft of the website using **WordPress** and a second version using **JavaScript, HTML** and **CSS**.
- This had a **60%** website traffic increase as big companies and potential sponsors had access to not only a visually pleasing website but a professionally well-structured website for the organisation.

GitHub Repository: <https://github.com/sigridus24>

Genius Robotics website: <http://www.geniusrobotics.edu.na/>

EDUCATION

Namibia University of Science & Technology | *Bachelor of Science in Computer Science*

Expected October. 2025

SKILLS

Node.js | HTML, CSS | Cloud Computing | MySQL | Git/Github | Javascript | React.js | Java | Software Development