

HERNAN REY N. JUGAR

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EDUCATION

Bachelor of Science in Computer Science, Mapúa Malayan Colleges Mindanao 2020 - Present

SKILLS

Languages	Python, Java, Dart, SQL, HTML5, CSS3, SASS, JavaScript, TypeScript, R
Tools/Frameworks	Git, Visual Studio Code, Figma, React, Flutter, MySQL, Firebase, Electron, Tailwind

PROJECTS

Office for Corporate Partnerships Web-Based System Feb 2022 - Present

- Built the front-end portion of public and admin sites for Mapúa Malayan Colleges Mindanao's Office for Corporate Partnerships using **React** and **SASS**.
- Created wireframes and user interface prototypes of the sites using **Figma**.
- Enabled Mapúa Malayan Colleges Mindanao students to search their school's partnered companies and submit required documents for internship applications through the public website.
- Provided a dashboard interface for the Office for Corporate Partnerships' employees to perform CRUD operations with their MySQL database through the admin website.

EXTRA-CURRICULAR ACTIVITIES

International Collegiate Programming Contest Asia-Manila's Regional Contest Dec 2022
Participant *Manila, Philippines*

- Competed in competitive programming with students from Southeast Asia.

Chung Yuan Christian University's 2023 Summer Camp Program Aug 2023
Participant *Taoyuan, Taiwan*

- Partook in lectures of topics from different engineering branches in the span of three weeks.
- Investigated variations in vibration signals from different positions in a computer numerical control (CNC) machine.
- Compared the accuracy of linear regression and artificial neural network models in predicting the surface roughness of an aluminum cut in a CNC machine using **R**.

AFFILIATIONS

Mapúa Malayan Colleges Mindanao Computing Students Society
Project Development Head (2022-2023)

- Implemented the organization's website using **React** and **SASS**.

Google Developer Student Clubs' Mapúa Malayan Colleges Mindanao Chapter
Chief Technology Officer (2022-2023), Member (2023-2024)

- Aided and participated in organizing seminars for teaching development tools such as **Figma**, **Flutter**, and **Firebase**.
- Implemented static interactive sites for events using **Github Pages** and **React**.