MARY ERIKA L. CULALA

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EDUCATION

De La Salle University   2020 – Sep 2025 (Expected)
Bachelor of Science in Computer Science Major in Software Technology

Center for Automation Research | De La Salle University   2024 - Present
Research Student Member

St. Paul University Manila   2018 - 2020
Science, Technology, Engineering, and Mathematics (STEM)
- Best Research Paper
- Highest Lexile Achieved

WORK EXPERIENCE

The LaSallian | De La Salle University   2023 – Present
Developer and Designer
- **Special UAAP Website**
  - Streamlined website content management for non-developer members of the organization through **Google Sheets API,** eliminating the need for them to access and modify the code manually.
  - Developed a website that reflects current and upcoming UAAP games with **PHP**, **Twig**, **Slim**, and **HTML/CSS.**
- **Residency Bot**
  - Developed a monitoring **bot** in Discord for the residency of **over 150 members** of the organization using *Discord and Javascript.*
  - Automated the logging process using **Google Sheets API** to extract pertinent values from the text file and update records automatically, providing **real-time updates** and **intuitive visualization** to the officer in charge of tracking residency hours.
- **Web Member**
  - Designed and developed a special website for the organization's recruitment week.
  - Handles publications and posts on social media platforms and the official website.

Scire Technologies | Skin Genius   Oct 2023 – Dec 2023
Developer and Designer
- Engaged for over 3 months in a scrum project and closely coordinated with the client for designing the website layout and content in **Figma.**
- Designed, developed, and tested email templates sent to subscribed users.

Simplex Data Solutions   Aug 2023 – Oct 2023
Developer and Designer
- Designed and developed a landing page and additional pages using **Javacript**, **Node.js**, **Express.js**, **Handlebars**, and **HTML/CSS.**

PROJECTS

Bag Buddy | Web Application   Jan 2024 – Present
Developer
- In charge of front-end and back-end features of the main pages.
- Lead front-end developer of a scrum team of 6 members over a 3-month project duration.

Medical Record Analysis   Feb 2024 – Feb 2024
Developer
- Generated analysis for medical appointments with over **5 million records** by building ETL scripts and utilizing OLAP operations in SQL queries using **Jupyter**, **Python**, and **MySQL** workbench.

Medical Chatbot   Mar 2023 – Mar 2023
Developer
- Utilized logical programming to create a chatbot that can diagnose **10 diseases** based on symptoms given by the user using *Prolog.*

AWARDS

WEIHACK 4.0 Hackathon - 2023
The team was shortlisted in Global Prototyping Top 20

SKILLS

Programming Languages: Java, Python, C, Javascript, PHP, HTML/CSS, SQL, Prolog, Golang, Ruby, GDScript, x86-64 Assembly.

Other Technologies/Framework: MongoDB, Godot Engine, Slim, Twig, Pandas, NumPy, Jest

Project Management: AGILE, Scrum, Trello, Github, Figma, DigitalOcean

Developer Tools: VS Code, IntelliJ, Jupyter Notebook