

Mark Edrian D. Celemen

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EDUCATION

De La Salle University - Manila | *Malate, Manila*

Sep. 2022 – Present

- B.S. in Computer Science, Concentration: Software Technology, Minor in Data Science, Consistent Dean's Lister

EXPERIENCE

Student Researcher | *Dr. Andrew L. Tan Data Science Institute*

Jul. 2025 – Present

- Selected for a competitive undergraduate research program in data engineering, machine learning, and predictive analysis.
- Will contribute to novel methods for data aggregation and analysis across domains, like business, education, and healthcare.

IT Specialist | *C & L Debt Collection Services*

Jan. 2024 – Present

- Maintained structured datasets for 30+ clients to ensure 99% data accuracy and integrity via data wrangling in Excel.
- Improved team productivity and workflow by training employees on key Microsoft Office and Google Workspace skills.
- Reduced resolution time by 70% by troubleshooting IT hardware and software issues and guiding non-technical users.

PROJECTS

SlipStream | *Software Engineering Course, [GitHub Link](#)*

May 2025 – Aug. 2025

- Led an 8-member team as Scrum Master, using Jira and Scrum to manage sprints, track progress, and ensure timely delivery.
- Developed an attendance slip management system with CRUD, file-to-database integration, and mass email functionality.
- Designed a responsive frontend using React, Bootstrap, and jQuery for managing attendance, PTOs, and employee records.
- Built backend using Node.js, Express.js, and MongoDB to enable efficient data operations and automated email workflows.

DLSU Eatery Pathfinder | *Introduction to Artificial Intelligence Course, [GitHub Link](#)*

May 2025 – Jun. 2025

- Developed a full-stack eatery pathfinder using UCS and A* with multi-criteria scoring for optimal route selection.
- Designed interactive frontend with HTML, CSS, JS, and Bootstrap for map visualization and fast path queries under 50ms.
- Built dynamic graph and eatery management in Python, JS, and Flask to support real-time updates to state space and goals.

rabble* | *Web Application Development Course, [GitHub Link](#)*

Jan. 2025 – Apr. 2025

- Developed a full-stack forum app with user authentication and interactions using Node.js, Express, and MongoDB backend.
- Designed the frontend with HTML, CSS, and Figma and deployed the demo app on Render for public access.
- Built RESTful APIs, reviewed code via pull requests, and resolved merge conflicts for seamless integration.

Library Management System | *Harvard CS50x, [Certificate of Completion](#), [GitHub Link](#)*

Dec. 2024

- Developed a full-stack CRUD app to streamline operations by connecting Flask routes with a normalized MySQL schema.
- Improved user experience and accessibility by designing a responsive UI with HTML and CSS.

TECHNICAL SKILLS

- **Languages:** C, Java, Python, HTML, CSS, JavaScript, SQL, Prolog
- **Databases:** MongoDB, MySQL | **Libraries:** jQuery, Mongoose | **Frameworks:** Node.js, Express.js, Bootstrap, Flask
- **Tools:** VS Code, Git, GitHub, Jira, Figma, Render, Google Workspace, Microsoft Office

RELEVANT EXTRACURRICULARS

Team Head of Events | *Award-Giving Bodies 2025*

Mar. 2025 – Jul. 2025

- Led a 4-member team that optimized the selection process by orchestrating 83 interviews across online and on-site settings.
- Improved coordination and cut interview delays by 94% by creating an interview tracker system and the screening process.

Head of Operations | *World Vision PH Student Ambassadorship Program*

Nov. 2023 – Jun. 2024

- Led a 4-member team to facilitate procurement, setup, and troubleshooting of technical equipment and event materials.
- Ensured 100% operational coverage and generated financial statements by auditing and calculating donations and expenses.
- Raised ₱3,000 and secured 4 performers and 3 speakers using a curated partnership database and tailored email campaigns.

AWARDS AND HONORS

- **Organizational Awards:** LSCS 2-Time Top 1 Socio Officer; Top 1 Overall in Term 2; Top 5 Overall in Term 1 (2025)
- **Math Competitions:** SFHS Mathira Matibay Semifinalist (2021), SFHS Math Team Quiz Bee 4th place (2019), 2-Time SFHS Rubik's Cube Challenge 3rd Placer (2019 & 2020), HCA Rubik's Cube Battle Champion (2017)
- **Language Competitions:** SFHS Literature and Language Quiz Bee Champion (2021), DepEd EdTech Review Game 1st Place (2021), DepEd EdTech Most Creative Group Output (2021)