

# Mark Celemen

0909 512 2653 | [edrianmark923@gmail.com](mailto:edrianmark923@gmail.com) | [linkedin.com/in/markcelemen](https://linkedin.com/in/markcelemen) | [markcelemen.github.io](https://markcelemen.github.io)

## EDUCATION

### De La Salle University

Expected Graduation: Aug 2027

*B.S. Computer Science, Minor in Data Science. Consistent Dean's Lister*

*Malate, Manila*

**Coursework:** Data Structures and Algorithms, Software Engineering, Web Development, Databases, Object-Oriented Programming, Computer Networks, Computer Organization and Architecture, Statistics and Probability, AI/ML

## WORK RESEARCH EXPERIENCE

### Student Researcher

Jul 2025 – Present

*Dr. Andrew L. Tan Data Science Institute*

*McKinley Hill Dr, Taguig*

- Selected for a competitive research program in data engineering, machine learning, and predictive analysis

### Information Technology Specialist

Jan 2024 – Present

*C & L Debt Collection Services*

*Bagong Pag-asa, Quezon City*

- Maintained 30+ client datasets at 99% accuracy by performing structured data wrangling in Excel
- Increased team efficiency by 70% by training staff on Microsoft Office and troubleshooting IT issues

## PROJECTS

### SlipStream

May 2025 – Aug 2025

*Software Engineering | MongoDB, Express, React, Node.js, TypeScript, Jira, Git | [GitHub Link](#)*

- Managed an 8-member team as Scrum Master to deliver an attendance and employee management system on-time
- Engineered a software to manage employee records and time slips with MongoDB, Express, React, and Node.js
- Implemented 8 features to streamline record management, including file-to-database integration and mass emailing

### DLSU Eatery Pathfinder

May 2025 – Jun 2025

*Artificial Intelligence | Bootstrap, Flask, JavaScript, Git | [GitHub Link](#)*

- Created an AI-powered navigation system using UCS and A\* for optimal eatery routing via multi-criteria scoring
- Designed UI with HTML/CSS, JavaScript, and Bootstrap to visualize maps and deliver path queries in under 50ms
- Enabled real-time state and goal updates by building a dynamic graph system in Python and JavaScript

### rabble\*

Jan 2025 – Apr 2025

*Web Development | MongoDB, Express, Node.js, Figma, Render, Git | [GitHub Link](#)*

- Developed a full-stack forum app that handles CRUD operations, user authentication, and search functionality
- Styled frontend with HTML & CSS, JavaScript, and Figma, and deployed on Render for public access
- Optimized RESTful APIs with Node.js, Express, and MongoDB, and handled pull requests and merge conflicts

### Library Management System

Dec 2024

*[Harvard CS50x](#) | HTML & CSS, Flask, MySQL, Git | [GitHub Link](#)*

- Built a full-stack user-inventory management system using Flask and MySQL with responsive HTML & CSS UI

## 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 hybrid settings
- Improved coordination and cut interview delays by 94% by creating an interview tracker system using GSheets

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

Nov 2023 – Jun 2024

- Directed a 4-member team to manage logistics, operations, finances, and external affairs for a fundraising concert
- Raised P3,000, secured 4 performers and 3 speakers, and ensured 100% operational coverage

## TECHNICAL SKILLS

**Languages:** C, Java, Python, JavaScript, HTML & CSS, SQL

**Frameworks, Libraries, & Databases:** Node.js, Express, React, Flask, Bootstrap, Mongoose, MongoDB, MySQL

**Tools:** VS Code, Git, GitHub, Jira, Figma, Render, MS Office, Google Workspace, Notion