Mark Celemen

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EDUCATION

De La Salle University   Expected Graduation: Aug 2027
B.S. Computer Science, Major in Software Technology. 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

Undergaduate 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 to visualize maps and path queries in under 50ms using HTML & CSS, JavaScript, and Bootstrap
- 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 system handling 100 library records using HTML & CSS, Flask, and MySQL

EXTRACURRICULARS

Team Head of Events | *Award Giving-Bodies 2025*   Mar 2025 – Jul 2025
- Guided 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

Team Leader of University Relations | *HackerCup 2024*   Feb 2024 – Jul 2024
- Led a 5-member team to secure 6 partnerships—including a top media partner—through targeted email campaigns
- Enhanced outreach potential by 71% by increasing the prospect database via research and data wrangling

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, PHStat