

Edrian Miguel E. Capistrano

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EDUCATION

Ateneo de Manila University

Bachelor of Science in Computer Science, 2nd Year — Cumulative QPI: 3.91

Quezon City

Expected Graduation: 2028

La Salle Academy

Junior High School Valedictorian, Senior High School Valedictorian with Highest Honor

Iligan City

2018 – 2024

EXPERIENCE

IT Skills & Development Officer

August 2025 – Present

Management Information Systems Association

Quezon City

- Organize technical skill trainings and workshops for students interested in information systems and technology
- Assist in developing and maintaining organizational websites and systems to support association activities

Developer

October 2025 – Present

Computer Society of the Ateneo

Quezon City

- Developed and deployed software solutions for organizational events and client projects including websites and web applications
- Ensured software implementations met professional standards and served project requirements effectively

Backend Developer

September 2025 – Present

Google Developer Groups on Campus Loyola

Quezon City

- Designed and maintained server-side applications, databases, and APIs ensuring secure and scalable data handling
- Collaborated with front-end developers to integrate user-facing features with back-end logic
- Monitored and optimized system performance to maintain reliability and speed

PROJECTS

Redhead Redemption | Java, Sockets, Multithreading, OOP

March – May 2025

- Built a LAN-based multiplayer top-down shooter with custom client-server networking and multithreaded gameplay systems
- Developed enemy AI featuring pathfinding, varied behaviors, leveling progression, and weapon/item mechanics.
- Designed hand-drawn pixel assets and optimized performance across multiple maps for smooth real-time play

NASA APIs Explorer | Node.js, Express.js, TailwindCSS, REST APIs

August – October 2025

- Developed a full-stack web app that aggregates and visualizes data from multiple NASA APIs, including media and Mars rover datasets
- Engineered backend routes for efficient API handling and implemented responsive data-driven UI components
- Enhanced skills in asynchronous API integration, server-side routing, and structured data presentation

Musicells | React, Zustand, TailwindCSS, Spotify API

September – October 2025

- Created a responsive React application that lets users browse, search, and favorite albums using the Spotify Web API
- Implemented dynamic album pages, new release feeds, and interactive components for improved user experience
- Strengthened understanding of API authentication, state management, and modular component architecture

UniSort | Node.js, Express.js, TailwindCSS, PostgreSQL

September 2025

- Designed a personality quiz platform that sorts users into universities based on quiz responses and stored user data
- Built secure backend logic for scoring, authentication, and database persistence using PostgreSQL
- Improved proficiency in database modeling, form validation, and responsive UI design for user-centric apps

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS, SQL

Frameworks: React, Next.js, Node.js, Express.js, Django, Vite, TailwindCSS, Bootstrap

Libraries: Zustand, Drizzle ORM, Better Auth, REST APIs, Google Studio API, EJS

Developer Tools: Git, GitHub, Vercel, JetBrains, VS Code, WSL, PostgreSQL, Neon