Edrian Miguel E. Capistrano

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EDUCATION

Ateneo de Manila University — Quezon City
Bachelor of Science in Computer Science, 2nd Year — Cumulative QPI: 3.91 — *Expected Graduation: 2028*

La Salle Academy — Iligan City
Junior High School Valedictorian, Senior High School Valedictorian with Highest Honor — *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

MISAyang Samahan | *Node.js, Express.js, PostgreSQL, TailwindCSS* — September 2025
- Built a Pokémon-themed HR platform for the Management Information Systems Association (MISA), used by 60+ members for registration and sorting
- Developed quiz-based personality sorting logic, admin tools, and secure database integration for tracking and family assignments
- Collaborated with UI/UX, HR, and project managers to deliver a fully functional system within a two-week development cycle

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

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

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