

Hanielle Jermayn E. Chua

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EDUCATION

De La Salle University - Manila

Taft Avenue, Manila

BS Computer Science - Major in Software Technology

2023 – present

- **CGPA:** 3.928 (Summa Cum Laude Standing)
- **Awards:** Consistent 1st Dean's Lister

SKILLS

- **Frontend:** React, Next.js, AngularJS, TailwindCSS, HTML, CSS
- **Backend:** Node.js, MongoDB, MySQL
- **Programming Languages:** JavaScript, TypeScript, Python, Java, SQL, C, Haskell
- **Tools & Technologies:** Git, Cardano, Docker

WORK / INTERNSHIP EXPERIENCE

Bids n Buys

Junior Blockchain Developer (Started as Intern)

February 2025 – July 2025

- Built a crypto wallet prototype in AngularJS, with unit and E2E tests using Jest and Cypress.
- Developed a serverless TypeScript API integrating MongoDB and Akaunting for e-commerce invoicing.
- Set up and managed Cardano nodes via Docker Swarm on remote Linux servers.
- Implemented Merkle-proof data verification, submitting hashes to Cardano for audit integrity.

University of the Philippines - Diliman

Intelligent Transportation Systems Laboratory Intern

June 13 - July 01, 2022

- Utilized LocalSim for transportation analysis of a selected bottleneck intersection in Palawan.
- Collected simulation data to propose alternatives to an intersection to alleviate traffic congestion.

Center for Applied Microelectronics and Programming, Inc.

Summer Intern

June 07 - June 18, 2021

- Assisted in developing an admin web application with a Node.js backend and an SQL-based database.
- Worked on two features of the web application: input-to-database setup and data validation.

PERSONAL & ACADEMIC PROJECTS

Personal Portfolio Website

haniellejermayn-portfolio.vercel.app

- Created a responsive portfolio website using Next.js, React, and Tailwind CSS to showcase projects.
- Applied JavaScript, HTML, and CSS for dynamic functionality and responsive design.

Connectify - Forum Web Application

<https://connectify-y0tg.onrender.com/>

- Built a forum web app with Express.js and MongoDB for user interactions and content management.
- Implemented the application logic with Node.js, JavaScript, and styled the UI using HTML and CSS.

Volt Vault - Electric Meter Management

<https://github.com/strangeshands/INFOM-DBAPP>

- Created a database application for electric meter management using Python and Flask for backend logic.
- Designed and optimized MySQL database queries and SQL for data management and retrieval.

ORGANIZATIONAL EXPERIENCE

La Salle Computer Society

Junior Officer

October 2024 - Present

- Handled financial documentation and submission of requirements as part of the Finance Committee.
- Assisted in planning and creating publicity materials for events as a member of the Publicity Team.