Clarissa Albarracin

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Education

De La Salle University Manila   Manila, PH
Bachelor of Science in Computer Science - Major in Software Technology   Aug 2026 (expected)
Dean's Lister | Completed CS50x: Introduction to Computer Science (Harvard)
Relevant Coursework: Advanced Software Engineering, Human Computer Interactions, Empathic Computing

Pasig City Science High School   June 2022
Best in Research (Robotics Category), With Honors

Technical Skills

Languages: C, C++, CSS, HTML, Java, JavaScript, Kotlin, Python, SQL, TypeScript
Frameworks & Libraries: Bootstrap, Flask, Node.js, React, Tailwind CSS, Vue
Tools & Databases: Figma, Git/GitHub, MongoDB, MySQL, Supabase, VS Code

Projects

Typrtxt: Typing Test SPA | *Vue, TypeScript, Supabase, Tailwind CSS, DaisyUI, Vue Router*   Sept - Dec 2025
- Built a responsive SPA for typing practice using classic literature, featuring real-time WPM, typing time, and accuracy metrics
- Designed custom UI components including a keyboard visualizer with real-time feedback, maintaining styling consistency with DaisyUI components and theming
- Utilized the Epubjs library to parse EPUB files and extract book metadata and text passages

Shiz University | *React, TypeScript, Supabase, Tailwind CSS, Shadcn UI, TanStack Table*   Nov - Dec 2025
- Developed React frontend for a distributed enrollment system with role-based access control for students and teachers across multiple service nodes
- Implemented Context API for global state management and persistent user sessions, and used React Hook Form with Zod validation for data integrity in login page
- Built interactive data tables using TanStack Table with dynamic filtering, pagination, and column visibility controls for viewing and encoding student grades

What Haffen Fella?: Emotion Detection in Journal Entries with Meme-based Feedback in Filipino
Flask, Python, HTML, CSS, JavaScript   July - Sept 2025
- Collaborated on a Flask-based web app that analyzes user-written journal entries using an emotion detection model and responds with Filipino meme-based feedback to provide comfort and relatability
- Created responsive user interfaces for dashboard and journal entry related pages with cross-device compatibility
- Conducted user experience research with six participants to gather System Usability Scale (SUS) metrics and qualitative feedback to drive future iterations
- Written an accepted paper for the 2025 IEEE Conference on Future Machine Learning and Data Science

Barangay Parang   May - Nov 2024
HTML, CSS, JavaScript, Figma, Bootstrap, Handlebars, MongoDB, Express
- Contributed to a full-stack web application that automated certificate generation and case management for barangay operations
- Led end-to-end frontend development from designing prototypes in Figma through implementation, ensuring alignment with client requirements throughout the process
- Collaborated in Agile sprints with bi-weekly deliverables, implementing responsive interfaces using Bootstrap and Handlebars templating

Professional Experience

Independent Contractor (Video Editing)   May 2023 - Dec 2025
- Delivered 460+ projects for a diverse, international client base
- Developed problem-solving skills by adapting to various client requirements and technical challenges
- Demonstrated strong attention to detail, time management, and ability to meet deadlines