

Regem Y. Bacolcol

(+63) 9634576213 | regem.bacolcol@gmail.com | Caloocan City | <https://regem.vercel.app/>

Objective

Motivated computer science student with hands-on experience in web development and IoT projects. Passionate about solving real-world problems through code and eager to apply and grow technical skills through an internship in a collaborative environment.

Skills

Languages: JavaScript, TypeScript, HTML, CSS

Frameworks & Libraries: React + Vite, Tailwind CSS

Backend: Node.js, Express (basic), Firebase (Realtime DB), REST APIs

Tools & Platforms: Git, VS Code, Figma, GitHub, Vercel, Postman

Soft Skills: Problem-solving, Adaptability, Teamwork, Communication

Projects

Smart Parking System (IoT) – <https://smart-parking-web-two.vercel.app/>

- An IoT-based system using Ultrasonic sensors, IR sensors, Servo Motor and ESP32 to detect and manage parking slots in real-time. Data is synced with Firebase.
- **Tech Stack:** Arduino IDE, Firebase Realtime DB, React + Vite, Tailwind CSS

Circuit Cube – <https://circuitcube.netlify.app/>

- An interactive educational web app for learning digital logic design. Users can simulate logic gates, generate truth tables, and visualize circuits in 3D. Includes professor-assigned problems and automated grading to enhance learning through practice.
- **Tech Stack:** React + Vite, TypeScript, Node.js, Express, PostgreSQL

Education

University of Caloocan City, Caloocan City, Philippines

2026

Bachelor of Science in Computer Science

Certifications & Webinars

- “Introduction to FastAPI: Building High-Performance APIs” – Webinar, University of Caloocan City, April 2024
- “Introduction to GitHub: Unlocking the power of collaboration and version control” – Webinar, University of Caloocan City, April 2024

Character Reference

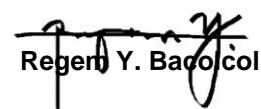
JOEMEN G. BARRIOS, MIT

Program Coordinator, Bachelor of Science in Computer Science

09293434038

joemen.barrios@ucc-calooacan.edu.ph

I hereby certify that the information above is true and correct to the best of my knowledge and belief.


Regem Y. Bacolcol