

Ray Cielo Briones

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EDUCATION

Cavite State University - Main Campus | Indang, Cavite

Sept. 2023 - Jun. 2027 (Expected)

Bachelor of Science in Computer Science

- **Courses:** Computer Programming, Discrete Mathematics, Web Systems and Technologies, Advance Database Management, Data Structures and Algorithms, Fundamentals of Information Systems, Data Logic Design, Information Management, Software Engineering
- **Honors:** Deans Lister (Every Semester)

TECHNICAL SKILLS

Languages (ordered by proficiency): Python, Javascript, Typescript, C++, Java, C, Move

Tools and Frameworks: React, React Native, Next.js, Node.js, Docker, Redis, Prisma, Tailwind CSS, Flask, Google Gemini

RELEVANT EXPERIENCE

Eskwelabs | Remote

Oct. 2025 - Present

Automation Engineer Intern

- Collaborating with a cross-functional team, including a workflow architect, to develop and implement automation workflows using **n8n**.
- Transforming project architecture designs into functional automation pipelines that streamline internal processes.
- Configuring and integrating various APIs, triggers, and nodes within **n8n** to enhance data flow and task efficiency.
- Testing, debugging, and refining workflows to ensure stability, scalability, and accurate data processing.
- Contributing to documentation and providing feedback on workflow performance and optimization.

GabAI | Software Engineering Course Project

Oct 2025 – Present

Full-Stack Developer

- Built an AI-powered interview coach with real-time voice interaction using the **Google Live Speech API**.
- Implemented résumé-processing features to generate structured insights for personalized coaching.
- Developed backend infrastructure using **Supabase** (auth) and **PostgreSQL** (database).
- Created a **WebSocket-based communication system** for low-latency interaction between client and AI.
- Designed and optimized the conversational AI pipeline, improving response flow and performance.

GrabEat | OOP Course Project

Jan. 2025

Full-Stack Developer

- Developed a **mobile application** about a food delivery application that is focused on local restaurants and reaching rural areas using **React Native**, implementing the backend with **Object-Oriented Programming (OOP)** principles such as **classes, inheritance, abstraction, and encapsulation**.
- Collaborated with a **UI/UX designer** and **technical writer** to create the application prototype and comprehensive project documentation.
- Focused on writing **modular and maintainable code**, ensuring scalability and clarity in the system's structure.

Embedded System Programmer

- Developed an **automated attendance system** using **RFID technology** powered by an **Arduino Uno** microcontroller.
- Programmed the system in **C++** using the **Arduino IDE**, enabling automatic student identification and attendance logging.
- Collaborated with a **cross-functional team**, including an embedded engineer responsible for hardware design and integration.
- Focused on **hardware–software integration**, optimizing system accuracy and real-time data processing for reliable performance.

PROJECTS**AI Voice Assistant** | *Personal Project***Oct. 2024**

- Developed a **voice-enabled AI web application** powered by **Google Gemini Flash 2.5 Pro**, enabling users to **converse with the AI through speech** and receive both **voice and text responses**.
- Implemented the **frontend using HTML and CSS** for a clean and minimal interface.
- Built the **backend with Node.js**, handling real-time speech recognition, API integration, and response synthesis for an interactive conversational experience.

NFT Minting App | *Personal Project***May 2025**

- Developed an **NFT minting application** within the **Aptos ecosystem** as part of a **cohort-based learning program** at *The Blokc*.
- Integrated **Petra Wallet** authentication to enable users to securely **mint NFTs directly on-chain**.
- Built the **frontend with React**, ensuring a clean and intuitive user interface.
- Designed and deployed the **smart contract using Move**, leveraging Aptos' blockchain infrastructure for efficient and secure minting.

CERTIFICATIONS & BADGES**OPSWAT Academy** | **Critical Infrastructure Protection****Mar. 2025 - Mar. 2026**

- Gained foundational knowledge of critical infrastructure protection (CIP) concepts.
- Learned how to identify critical networks and understand OPSWAT certification requirements.
- Navigated and utilized the OPSWAT Academy platform and certification structure.

Google Cloud Skill Badge | **Implement Load Balancing on Compute Engine****Mar. 23 2025**

- Demonstrated skills in configuring load balancing and managing Compute Engine instances.
- Deployed virtual machines and containerized applications using Google Kubernetes Engine.
- Utilized Cloud Shell and gcloud commands to create and manage network and HTTP load balancers.

IBM | **Security on IBM Z****Apr. 25 2025**

- Gained knowledge of advanced mainframe security concepts including pervasive and quantum-safe encryption.
- Learned strategies for data protection and securing digital infrastructures.

IBM | **AI on IBM Z****Apr. 25 2025**

- Explored integration of AI with mainframe systems for improved model inferencing and prediction accuracy.
- Learned to leverage Gen AI, AI accelerators, and optimized stacks for efficient AI deployment.

HACKATHONS/COMPETITIONS

C(Old) (ST)art | Old.St Labs

Oct. 2024

- Collaborated with a team to develop **Eatsy**, a **food delivery web application** designed for **real-time shared orders** among multiple users.
- Participated in a **rapid prototyping hackathon**, completing the full cycle from **idea conception to prototype and pitch presentation**.
- Built a **collaborative delivery system** that enables users to **track and manage shared orders simultaneously across devices**, ensuring **seamless coordination and transparent order management**.

Base Batch (APAC) | BASE

Apr. 2025 - May 2025

- Competed in an international **Web3 hackathon (APAC)** hosted on the **Base network**, focusing on **Stablecoin innovation**.
- Completed a **prototype-to-pitch development cycle** within one month.
- **Built and deployed** a Next.js dApp using the **Base SDK**, integrating stablecoin payments, rewards ("Bits"), and a freelancer leaderboard.
- Designed with **Web2-friendly onboarding** to ensure accessibility for users with no crypto background.