# Lana Garcia

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## Education

**University of British Columbia, Vancouver** — Vancouver, Canada
*Bachelor of Science in Computer Science* — *Sept 2025 – May 2030 (Expected)*

- **Generation Google Scholarship (North America), 2025** — $5,000 grant
- **Outstanding International Student Award** — $15,000 entrance scholarship
- **Relevant Coursework:** Computation, Programs, and Programming; Models of Computation; Software Construction; Basic Algorithm and Data Structures (In Progress)

## Projects

**Forekast** | **React, Express, PostgreSQL, Prisma** — Jun 2026 – Present

- Built a full-stack social forecasting platform where users publish, discuss, and resolve testable predictions.
- Designed a PostgreSQL schema and REST API supporting JWT authentication, personalized feeds, user profiles, comments, and prediction-accuracy tracking.
- Secured the API with bcrypt, Zod validation, Helmet, and rate limiting; added automated tests, linting, and production-build checks.

**MiniDataDev** | **Python, Streamlit, OpenAI API** — Jul 2026

- Built an interactive exploratory data-analysis platform in Python and Streamlit with four integrated datasets.
- Integrated an OpenAI-powered assistant to help users interpret datasets and navigate analytical workflows.
- Created modular data-ingestion pipelines supporting user-uploaded files and live API sources.

**ScrawlNSprawl** | **JavaScript, Firebase, Google Maps API** — Feb 2026

- Developed a location-based community platform using Google Maps API and Firebase Firestore.
- Integrated a JSON-based keyword filtering system to support safer user-generated content.
- Implemented real-time synchronization with Firebase so updates propagated instantly across clients.

**Kuseena** | **Java, JUnit, Git** — Jan 2026 – May 2026

- Developed a Java desktop application for managing recipe records and ingredient inventory.
- Implemented input validation and exception-handling workflows to preserve data consistency during updates.
- Built a local persistence layer to retain user data, recipe records, and inventory state between sessions.

## Leadership Experience

**Incoming Residence Advisor** — Starting Aug 2026
*University of British Columbia* — *Vancouver, Canada*

- Selected from 500+ applicants for a residential leadership role supporting a university student community.

**Girls in STEM Business Case Competition, Team Leader** — Apr 2025 – May 2025
*Procter & Gamble* — *Bonifacio Global City, Philippines*

- Led a 6-member team through the full case-development lifecycle, from ideation to executive presentation.
- Built an AI-assisted waste-classification prototype that achieved approximately 85% accuracy.
- Presented to P&G executives and earned recognition for clarity, feasibility, and communication quality.

**Cordis Ictum Magazine, Editor-in-Chief** — Jul 2024 – Apr 2025
*Philippine Science High School* — *Clark, Philippines*

- Directed a cross-functional student team in producing 3 magazine volumes with 50+ copies each.
- Secured PHP 26,000+ in sponsorships and donations through partnerships with external organizations.
- Led editorial direction, production planning, and content strategy for school-wide publication initiatives.

**The Central Scholar, Opinion Editor** — Aug 2024 – May 2025
*Philippine Science High School* — *Clark, Philippines*

- Coordinated 10+ writers and the editorial pipeline for 30+ articles covering national and school-wide issues.

## Skills

**Languages:** Python, Java, C++, JavaScript, HTML/CSS
**Frameworks & Technologies:** React, Node.js, Express, PostgreSQL, Prisma, Firebase, Streamlit, Git
**Additional:** Technical Writing, Public Speaking, Cross-functional Leadership