

Lance Kent Geoffrey B. Magollado

Information Technology Student

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EXPERIENCE

2025-Present STUDYPOOL

Quezon City, Metro Manila

Freelance Programmer

- Aiding students with their programming related assignments and activities.
 - Freelance programmer in Java, SQL, and any related topics related to IT.
 - Part-time source of income while still a student.
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PROJECTS

Book Buddy: A Library Management System

MTI, Valenzuela

System Analyst

- Developed this system during my TESDA training, serving as the System Analyst.
- Built using Java and SQL, with GitHub for version control and team collaboration.
- Designed role-based access:
 - **Admin** can add, borrow, and update book and account information.
 - **Super Admin** has all admin privileges plus the ability to register new user accounts and deactivate accounts.

Personal Expense Tracker System

Full Stack Developer

- Built using VB.NET with a SQL database for secure data storage.
- Implemented login and signup functionality to ensure user authentication. I also add features to record, organize, and categorize expenses based on user's preferences.
- Enabled users to generate expense reports for specific months or custom date ranges.

Enhance Security, Convenience, and Disaster Risk Management: A Miniature Arduino System for Environment

Project Manager/ Embedded Systems Developer

- Developed an integrated Arduino-based system with C++ for microcontroller programming and C# for the UI with login authentication to monitor and manage all five systems in real-time.
 - Designed a 5-in-1 system to enhance security, convenience, and disaster preparedness: (1) **Gate Access Control System** – Automates gate operations using an ultrasonic sensor and servo motor for enhanced security. (2) **Fire Detection System** – Utilizes flame sensors to detect fires early, triggering alarms for prompt evacuation. (3) **Earthquake Alarm System** – Features emergency alert buttons, distinct alarms, and LCD notifications for seismic event preparedness. (4) **Lighting Control System** – Automates building lighting to optimize energy efficiency and reduce power consumption. (5) **Time-Based Alarm System** – Provides scheduled alerts for tasks, appointments, and medication reminders to improve time management.
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SKILLS

- **Languages:** Java, SQL, PHP, VB.NET, C#, C++, JavaScript, HTML, CSS
 - **Technologies:** MySQL, Git (Version Control)
 - **Certifications:** NCIII – Programming (Java), Responsive Web Design Certificate (freeCodeCamp)
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EDUCATION

2023-Present QUEZON CITY UNIVERSITY

Quezon City, Metro Manila

Bachelor of Science in Information and Technology

2019-2021 ROSARIO INSTITUTE

Rosario, Cavite

Track-Information and Communications Technology with Specialization in Computer Programming