

Lowel-Jay Rubino

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Education

Technological University of the Philippines – Manila

Aug 2023 – Present

Bachelor of Science in Computer Science

- **Relevant Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, Object-Oriented Programming, Human-Computer Interaction, Operating Systems, Networks and Communications, Database Management Systems, Programming Languages (Design and Implementation), Applications Development and Emerging Technologies
- **Dean's Lister** (First Year to Second Year) | GWA: 1.53

Projects

MiniCompiler

Python, React, Git

- Built a basic compiler from scratch featuring lexical analysis, parsing, and semantic evaluation.
- Applied principles from Programming Languages and Compiler Design courses.
- Designed a simple and intuitive UI using React.

Mini Chess Game

Java, Eclipse IDE

- Developed a 2-player chess game using Object-Oriented Programming principles.
- Implemented logic for valid moves, turns, and basic rule enforcement.

ATM Simulation Project

C++

- Practiced core Data Structures and Algorithms concepts and system-level programming.
- Implemented modular code design using struct and a List class for account handling and functionality encapsulation.
- Integrated file reading/writing for persistent user data and USB detection using Windows API to simulate ATM card insertion.

Organizations and Leadership

Google Developer Student Club – TUPM (now GDG on Campus)

Nov 2023 – Aug 2024

Project Manager

- Led a team of developers by overseeing projects, ensuring on-time delivery of initiatives and clear task delegation.
- Acted as the primary liaison among teams and stakeholders.
- Drafted formal project proposals and correspondence for projects, events and initiatives.

The Philippine Artisan – Manila (TPA)

Nov 2023 – Aug 2024

Junior Staff Writer

- Authored articles including event coverage, features, and opinion columns, strengthening written communication and research skills.
- Covered campus events and conducted interviews with students and faculty.

Skills & Interests

Programming Languages: HTML, CSS, JavaScript, C, C++, Java, Python

Software: VS Code, Git, Eclipse, MS Office (Excel, Word, PowerPoint)

Soft Skills: Written & Verbal Communication, Active Listening, Problem Solving, Project Management, Collaboration

Languages: Filipino, English

Interests: Outdoor sports, self-growth through continuous learning, faith-based youth leadership, and community service.