

LORD ALLAIN B. UY

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EDUCATION:

Polytechnic University of the Philippines – Manila
Bachelor of Science in Computer Science

2021 - Present
DOST Scholar – President and Dean's Lister

Guardian Angel Academy
Senior High School

2019 - 2021
High Honors

PROJECTS:

Intourmuros

- Provides shortest path recommendations for user travel routes using the TSP Nearest Neighbor algorithm. Designed for various modes of transportation, including cars, bicycles, and public transportation.
- Developed and implemented the TSP Nearest Neighbor algorithm. Integrated the algorithm with Google Maps and designed the UI/UX.

Popula

- Projects and models potential future general and gender-based populations of the Philippines using population data from 1969 to 2021 through Linear Regression.
- Served as the software architect, designing the system architecture and implementing the solution using Python.

YourExpense

- A budgeting app designed to help users manage their finances, accessible via mobile devices (iOS and Android).
- Led the front-end development of the application using Python, ensuring a user-friendly interface and seamless user experience.

PAG-IBIG Members Data Form

- Designs a database system for the Pag-IBIG Fund to efficiently manage member information and transactions, facilitating quick access to financial records for loan processing and ensuring members receive their entitled benefits and services.
- Performed data normalization, designed the UI/UX, and connected the system to a MySQL database.

SEMINARS / WORKSHOPS:

Software Engineering and Testing Workshop
The Programmer's Guild – PUP Manila

February 2023

Data Science Workshop
The Programmer's Guild – PUP Manila

February 2023

SKILLS:

Languages: HTML/CSS, PHP, Java, Python, C, Javascript, and SQL

Libraries and Frameworks: Tkinter, Kivy, React Native, FastAPI

Tools: MongoDB Compass, Android Studio, VScode, MySQL, XAMPP, Git, Github, Figma, Postman, Cisco Packet Tracer