

ROBERTO D. PRINCIPIO JR.

[Portfolio](#) | [linkedin.com/in/rdprincipiojr](https://www.linkedin.com/in/rdprincipiojr) | rdprincipio.jr@gmail.com | +63916-692-3460

EXPERIENCE

Software Engineering Intern

Feb 2021 - May 2021

Samex LLC

Troy, MI

- Built a webhook that handles different endpoints which integrates two existing systems for data collection and offer personalization based on geolocation using **PHP** and **MySQL**
- Built a script that performs data migration and schema mapping from an old version to a new version of an application using **PHP** and **MySQL**

Web Development Intern

Jul 2020 - Aug 2020

WeCodeucate

Chicago, IL

- Designed and developed the website's landing page using **React** and did Search Engine Optimization

Web Development Intern

Mar 2020 - May 2020

University of the Philippines Resilience Institute

Quezon City

- Helped in designing UP's COVID-19 Chatbot's decision trees and implemented them using Chatfuel and Dialogflow

EDUCATION

BSc in Computer Science, *cum laude*

Expected Jan 2022

University of the Philippines Diliman

SKILLS

- Data Structures, Object-Oriented Design, REST API, Software Engineering
- *Languages* | HTML, CSS, JavaScript, Python, Java, PHP
- *Libraries/Frameworks* | Node.js, Express, Flask
- *Database Systems/ORMs* | MySQL, SQLite, SQLAlchemy
- *Tools* | Version Control (Git, GitHub), Heroku

PROJECTS

GunitaHu | JavaScript, Express

- Undergraduate thesis in the Service Science and Software Engineering Lab
- a WebVR application that provides personalized remote therapy connecting caregivers and dementia patients
- paper was accepted in the 1st International Conference on Novelties In Intelligent Digital Systems

Superhero Wiki | JavaScript

- Database of superheroes and villains from different universes
- the frontend is built using Next.js and is hydrated by calling an external API

Street Food Wars | Java

- A turn-based fighting game between the hero Kwek and the villain Isaw

T3 | JavaScript, React, Express

- Real-time Multiplayer Tic-tac-toe game with room creation and chat functionality utilizing socket.io

ATLA Comic Scraper | Python

- scrapes an online comic book site for graphic novels then saves, compiles, and exports them to PDF using the Python libraries requests, Scrapy, Pillow, and FPDF