

# ROBERTO D. PRINCIPIO JR.

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## EXPERIENCE

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### Software Engineering Intern

Feb 2021 - May 2021

Samex LLC

Troy, MI

- Finished the full stack developer apprentice program covering all facets of web development: front-end, back-end, and database technologies
- Built a webhook that handles different endpoints which integrates two existing systems for data collection and routing and personalizing offers 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

- Worked on UP's COVID-19 Chatbot's decision trees using Chatfuel and Dialogflow

## EDUCATION

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### University of the Philippines Diliman

Quezon City

Bachelor of Science in Computer Science

Aug 2017 - Jan 2022 (Expected)

## SKILLS

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### Hard Skills

Languages (Python, HTML, CSS, JavaScript, PHP, Java), Data Structures and Object-Oriented Design, Database Systems (MySQL), ORM (SQLAlchemy), Libraries/Frameworks (Bootstrap, Flask, Node.js, Express), REST API, Version Control System (Git, GitHub)

### Soft Skills

Creativity, Organization, Problem-solving, Strong Work Ethic

## PROJECTS

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### GunitaHu (JavaScript, Express)

- Undergraduate thesis, a WebVR application that provides personalized remote therapy connecting caregivers and dementia patients

### StudyUP (Python, Flask)

- A web application that aims to foster a collaborative learning environment for students including test simulation and discussion

### 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 chat functionality

### 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