

# Morris John Montemayor

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## Education

### Polytechnic University of the Philippines

Bachelor of Science in Computer Engineering

September 2023

- Cum Laude
- DOST Scholar
- Quantum Computing Research: D-Wave Implementation of Quantum Annealing for Optimal Resource Allocation in Disaster Response Operation of Marikina City
- Presented Research at International Computer Science and Engineering Conference 2023

## Technical Skills

- |                                 |                                  |                                |
|---------------------------------|----------------------------------|--------------------------------|
| • Pandas                        | • Python                         | • SQL                          |
| • Web Development               | • Cloud Computing / AWS          | • Web Scraping / BeautifulSoup |
| • API Design and Implementation | • Java/C#                        | • Linux / Unix Scripting       |
| • ETL                           | • Django / Django Rest Framework | • Docker                       |
| • Microcontrollers / Arduino    | • Database Design and Modelling  | • Network Protocols            |

## Professional Experience

### Knowles Training Institute

Singapore (Work from Home)

IT Intern

Sept. 2022 – Nov. 2022

- Created learning materials for computer-related courses.
- Developed a website for profiles of kpop stars using data scraped from the internet.
- Built a personal tool for input automation used in creating topic outlines.

## Projects

### Maria Emergency Network

School Project

2023

- Created a web application that displays data incoming from multiple modules
- Built an Android app that sends data to an ESP32 web server
- Integrated LoRa and Cluster Duck Protocol to multiple ESP32 devices

### Deficiency Portal

School Project

2022

- Developed a full-stack application using Django and React
- Designed and implemented a REST API using Django Rest Framework
- Designed the schema of the database used in the application

## Certificates

- |  |              |      |
|--|--------------|------|
| • Data Analysis with Python              | Freecodecamp | 2021 |
| • Understanding Data Engineering         | Datacamp     | 2022 |
| • Streamlined Data Ingestion with Pandas | Datacamp     | 2022 |
| • Writing Efficient Python Code          | Datacamp     | 2022 |
| • Database Design                        | Datacamp     | 2023 |
| • Intermediate Importing Data in Python  | Datacamp     | 2023 |