

JUAN CARLOS CRUZ

Software Developer

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15 Narra Street, Project 3, Barangay Claro, Quezon City



CERTIFICATIONS

Datacamp – Data Engineer Associate (Feb 2024)

- **Skills:** SQL, Exploratory Analysis, Data Management

Datacamp – Data Scientist Associate (May 2023)

- **Skills:** Data Management, Exploratory Analysis, Statistical Experimentation, Modeling, Data Communication, Python

PROFESSIONAL EXPERIENCE

ML Researcher / Data Scientist Volunteer

Omdena | July 2024 - Present

- Participated in collaborative social impact projects like healthcare, property management, traffic research to achieve data-centric goals through applied use of Python (Pandas, Streamlit, Gradio), Web Development, and Project Documentation & Management

Junior Software Developer

MYCURE | April 2023 - December 2023

- Used Vue.js to make improvements in the Billing, Inventory, Medical Records, and other modules of the Clinic Management System
- Assisted in the improvements to internal and business-facing performance evaluation methods through better Sprint methodology and the creation of the Admin Dashboard via Metabase
- Contributed at least 20 feature implementations and bugfixes to the company's main product and helped close a company side project's first milestone

Skills: HTML/CSS/JS (Vue.js), Git, Postman, Database design, UI/UX, Data analytics, MongoDB & NoSQL, Azure

Full-stack Developer

UP National Engineering Center | June 2022 - December 2022

- Used the Python Dash Plotly framework to streamline user management handling and disbursement voucher viewing for an internal Budget Utilization DBMS
- Used PostgreSQL and AWS S3 to conduct data management tasks for data consistency

Skills: Python (Pandas, Flask, Dash Plotly), PostgreSQL, AWS S3, Git

PROJECTS

Housing Affordability Analysis in the Greater Parisian Region - July 2024 - August 2024

- Developed a Streamlit dashboard and conducted data analysis of aggregated public property data in Paris France as part of an Omdena AI project
- Engaged in collaborative work with fellow volunteers to establish target goals and minimum needs of the dashboard

Skills: Geospatial Analysis, Python (Streamlit), Collaboration, UI/UX design, Documentation

Letterboxd List Dashboard - Feb 2024 - June 2024

- Full-stack dashboard built on Vue using MongoDB as storage with FastAPI as API architecture
- Aimed at featuring summary and descriptive statistics of a collection of films stored in a list, updated frequently
- **Stack:** Vue.js (Nuxt), Python (FastAPI), MongoDB

Skills: NoSQL (MongoDB), Database Design, Data Science and Analytics, Web Development, Docker, FastAPI

R4R Subreddit Analysis - 2022

- Conducted a week-long study in which analysis of a subreddit was conducted to identify demographics, post trends, frequent age groups, and other relevant insights

Skills: Python, BeautifulSoup, Webscraping, Data Analysis

EDUCATION

University of the Philippines, Los Baños, 2017-2019, B.Sc. Industrial Engineering

University of the Philippines, Diliman, 2019-2022, B.Sc. Industrial Engineering, *cum laude*

ORGANIZATIONS

- UP Data Science Society (2022-)
 - Co-facilitated the **2023 Philippine Junior Data Science Challenge**, an intercollegiate Data Science competition for students across the country
 - Assists in the **Education & Research team** to provide org members knowledge for conducting data analysis and building databases in SQL and Python