

Carlos Dwain Sorallo

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PROFILE SUMMARY

A detail-oriented individual with a strong work ethic who wants to consistently deliver results. Eager to apply my skills and knowledge in data-related field, IT, AI, electronics and sciences in real-world applications.

EDUCATION

Mapúa University	Intramuros, Manila
<i>Bachelor of Science in Physics</i>	<i>Graduation Date: Feb 2025</i>
<i>Bachelor of Science in Electronics Engineering</i>	<i>Graduation Date: Feb 2025</i>

EXPERIENCE

Accenture	Taguig, Metro Manila
<i>Backend Developer - Data Engineer Intern</i>	<i>May 2024 - Nov 2024</i>
<ul style="list-style-type: none">Automated manual performance reporting processes by developing a Python-based data transformation tool.Cleaned, manipulated, and validated raw Excel data using Jupyter Notebook.Worked closely with client's Points of Contact (POCs) to validate and refine transformation logic.Created comprehensive documentation for the tool.	
Accenture	WFH
<i>Japanese Campus Intern</i>	<i>May 2023 - Jul 2023</i>
<ul style="list-style-type: none">Gained proficiency in Japanese writing systems (hiragana, katakana, kanji) and cultural understanding.Gained exposure to network configuration and server management using Azure through knowledge transfer sessions.Learned about troubleshooting router and server issues through demos on ticket handling systems.	

PROJECTS & RESEARCH

<u>Plant Health and Severity Recognition System for Pechay Using Convolutional Neural Network</u>	2022-2024
Mapúa University	
<ul style="list-style-type: none">Developed a multioutput CNN model for real-time disease and severity classification in hydroponic Pechay.Curated and labeled datasets capturing health conditions (healthy, chlorotic, necrotic) and severity levels.Designed a PyQt-based python application with local database for user interaction.Integrated Raspberry Pi for continuous monitoring and early disease detection, improving crop management.	

CERTIFICATIONS & ACCREDITATIONS

Huawei Certified ICT Associate - Artificial Intelligence (HCIA-AI)

SKILLS

Python	ML/DL Model Development	Documentation and Reporting
SQL	Data Transformation & Manipulation	Process Automation
MATLAB	Data Cleaning & Validation	Microsoft Office 365
c++	ETL processes	Microsoft and Linux OS
git	User Interface Development	Virtualization (VirtualBox)

AWARDS/AFFILIATIONS:

- Mapua University:
 - Rank 7 Overall in ECE (2020)
 - Rank 8 Overall in ECE (2019)
 - Member of Physics Society of Mapua
 - Member of Institute of Electronics Engineers of the Philippine
- Rizal National Science High School:
 - Exemplary Academic Performance
 - Mind Excellence Award in Mathematics
 - Excellence in Mathematics