

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>Aug 2018 - April 2025</i>
<i>Bachelor of Science in Electronics Engineering</i>	<i>Aug 2018 - April 2025</i>

EXPERIENCE

Accenture	Taguig, Metro Manila
<i>Backend Developer - Data Engineer Intern</i>	<i>May 2024 - March 2025</i>

- Automated 95% of performance reporting processes by developing a Python-based data transformation tool, reducing manual workload and improving efficiency by 90%.
- 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>

- 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
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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	Apache Airflow	Documentation and Reporting
SQL	ML/DL Model Development	Process Automation
MATLAB	Data Transformation & Manipulation	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 Philippines
- Rizal National Science High School:
 - Exemplary Academic Performance
 - Mind Excellence Award in Mathematics
 - Excellence in Mathematics