Willie Coronel Jr

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Education

University of the Philippines Diliman   Graduated 2024
Bachelor of Science in Computer Science (GPA: 1.30 / 1.00)   *Diliman, Quezon City*

Technical Skills

Languages: Python, C, Rust, SQL
Modern Data Stack: Matillion, Snowflake, data build tool (dbt), Elementary
Concepts: ETL/ELT pipelines, CAP Theorem, Data Warehouse, Data Lakes, Data Orchestration, Cloud Computing, Operating System, Virtual Memory, Software Layering, Artificial Intelligence, Machine Learning

Experience

Lately, Everything Needs Analytics (LENA)   March 2024 - Present
Junior Data Engineer   *Ortigas, Pasig City*
- Creates complex SQL queries to transform and aggregate data for reporting and analytics purposes
- Develops and maintains data models in Snowflake using dbt Core
- Implemented 'Slim CI' with dbt Core via GitHub actions
- Configured dbt Elementary to enhance data observability and data quality across analytic workflows
- Designs data models using DBML

Asia United Bank   Aug 2023 – Sept 2023
Data Analyst Intern   *Ortigas, Pasig City*
- Part of the Credit Risk team responsible for the management and analysis of commercial loan scorecards
- Handled commercial loans scorecard data by applying preprocessing techniques to prepare, clean and wrangle data
- Created a python script that streamlines the execution of the created .ipynb file responsible for data cleaning and wrangling across a directory tree of Excel files. This automation solution efficiently processed data and workflows, reducing manual efforts and enhancing team productivity

Asia United Bank   July 2023 - August 2023
Information Security Intern   *Ortigas, Pasig City*
- Created documentation guidelines on secure coding for Java and C developed applications based on OWASP Application Security Verification Standard (ASVS).

Projects

ETL and ELT Pipeline in Python | *(GitHub)*
- Implemented ETL and ELT Pipelines using Python (Jupyter Notebook)
- Used SQLite to store and transform/filter data

Scraping a Multipage Website Plus EDA | *(GitHub)*
- Scraped Hockey Team data from a multipage or paginated website using Python and conducted exploratory data analysis using pandas, matplotlib, and seaborn libraries.

Extracurricular Activities

Workshop on Computation: Theory and Practice (WCTP 2023) | *Hokkaido, Japan*   December 4-6, 2023
- Presented my undergraduate thesis on the Tree Poset Cover Problem alongside my thesis partner, showcasing our two formulated approximation algorithms that solve the problem

Philippine Junior Data Science Challenge | *One Esplanade, Pasay City*   August 2023 - November 2023
- Analyzed and clustered core mass clients of the Bank of the Philippines Islands (BPI)
- Created a proposal for an internal application that focuses on personalized marketing strategies

Publications

Two Heuristics for the Tree Poset Cover Problem
Willie N. Coronel, Joshua Relucio, Ivy D. Ordanel, Richelle Ann B. Juayong
In Proceedings of the Workshop on Computation: Theory and Practice (WCTP 2023)
https://doi.org/10.2991/978-94-6463-388-7_2