

WILLIE CORONEL JR.

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EDUCATION

B.S. Computer Science

Graduating January 2024

University of the Philippines Diliman

GWA: 1.30/1.00

College of Engineering

Relevant coursework: Artificial Intelligence, Data Science, Database Systems, Elementary Numerical Computing

TECHNICAL SKILLS

Data Tools and Packages: Jupyter Notebook, Google Looker Studio, SQL Server Management Studio Git, Visual Studio Code, \LaTeX , Pandas, Matplotlib, Seaborn, BeautifulSoup

Programming: Python, C, Rust, MySQL (SQL), JavaScript, HTML, CSS

Certifications and Achievements: Philippine Junior Data Science Challenge (Top 5 over 150 teams), Introduction to Data Studio, Automize Business Communicate using Power Automate, Certified in Cybersecurity (CC) Self-Paced Training - 1M

PROFESSIONAL EXPERIENCE

Asia United Bank, Ortigas, Pasig City: Data Analyst Intern

Aug 2023 – Sept 2023

- 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, Ortigas, Pasig City: Information Security Intern

July 2023 - August 2023

- Created documentation guidelines on secure coding for Java and C developed applications based on OWASP Application Security Verification Standard (ASVS).

PROJECTS

Scraping a Multipage Website Plus EDA (GitHub)

February 2024

Scraped Hockey Team data from a multipage or paginated website using Python and conducted exploratory data analysis using pandas, matplotlib, and seaborn libraries.

Wiki Scraping (GitHub)

February 2024

Scraped data from a wikipedia page using Python and BeautifulSoup library

Predicting Team Kill Counts at the 15th Minute in Dota 2 Captain's Mode (GitHub)

Nov 2023 – January 2024

Collaborated within a team to develop a predictive model using linear regression with gradient descent optimization for forecasting team kill counts at the 15th minute in Dota 2.

- Spearheaded the entire algorithm implementation, from model training to performance evaluation, ensuring seamless integration and optimizing efficiency.

Two Heuristics for the Tree Poset Cover Problem (GitHub)

Sept 2022 - June 2023

Led a research project focused on the Tree Poset Cover Problem – an optimization problem that finds application in data mining.

- Successfully formulated two approximation algorithms for the problem and conducted an in-depth empirical analysis of the algorithms

OTHER WORK EXPERIENCE

University of the Philippines Career Assistance Program for Engineering Students, Diliman, Quezon City: Data Operations Team

Nov 2023

- Analyzed research survey data and crafted dashboards for pre-event activities using Google Looker Studio.

ACTIVITIES

Workshop on Computation: Theory and Practice

December 4-6, 2023

Chitose Arcadia Plaza, Chitose-city, Hokkaido, Japan

- 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

August 2023 - November 2023

One Esplanade, Pasay City

- 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

Enhack: Hackathon for SMEs

June 30 - July 2, 2023

Enstack, BGC, Taguig City

- Collaborated within a team to develop a mobile application facilitating MSMEs' access to a variety of supply or outsourcing listings from large businesses
- I played a key role in leading the R&D efforts of the project, and took charge of presenting our solution to a panel of judges