Lean Louiel Alzate Peria

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SKILLS & TECH STACKS

- **Python data stack** pandas, seaborn, statsmodels, prophet, sklearn, pytorch
- **Data Analysis** Microsoft Excel, Power BI, Power Query
- **Databases** Transact-SQL, MySQL, Hive SQL, Redis, MongoDB
- **Data Science** open-source large language models and HuggingFace, web scraping, feature engineering, time series forecasting, regression modeling
- **Software engineering** Github and version control, Jira, Kanban and Agile project management concepts
- **Web development and deployment** Ruby on Rails, Django and Flask, Linux bash scripting, Dockerization, Amazon Web Services, Heroku

WORK EXPERIENCE

Aperture Commerce   **Feb 2024 – Present**
Analytics and Backend Developer   *Quezon City, PH (remote)*

- Developing analytics pipelines of facebook ads and e-commerce data into dashboards
- Creating web scraping backend that leverages large language models
- Developed a real estate property recommender system using machine learning methods
- Contributed to development of ETL jobs written in Ruby deployed in a Rails backend

Okada Manila   **Mar 2023 – Feb 2024**
Gaming Analyst   *Paranaque City, PH*

- Developed a customer headcount forecast model, and used this for planning table game allocation
- Created a behavior clustering model for slot games and proposed changes based on observed patterns
- Produced/maintained dashboards, performance reports and ad-hoc analysis for gaming optimization and marketing functions
- Designed and proposed promotions based on projected customer gaming activity
- Contributed to maintenance and development of database ETL for functions including gaming data management and customer relations management

Freelancer - Machine Learning Researcher (dav.io)   *Dec 2019 - Feb 2020*

- Developed a regression model for predicting click through rate based on keywords, and consulted on deployment in AWS

EDUCATION

University of the Philippines Diliman
MS Computer Science   **expected Dec 2024**

- Finishing master's thesis, all course work done
- Thesis topic: using large language models to assist a reinforcement learning system for stock trading
- Relevant coursework: Database Systems, Computer Networks, Software Engineering, Data Analytics, Deep Learning, IT Project Management

BS Physics   **Jul 2018**

- Co-authored two papers presented in the 34th Physics Congress of Samahang Pisika ng Pilipinas (Aug 2016), including "Parallelization benchmarks of plane wave self-consistent field calculations on an IBM BlueGene supercomputer"

INTERESTS, MISCELLANY

- **Interests** Finance and economics, game theory, music and performance
- **Other Languages** Korean - conversational level