MON GABRIEL LAGUSTAN

MS COMPUTER SCIENCE (2024)

BS COMPUTER SCIENCE (2023)
with Specialization in Data Science & Analytics

Ateneo de Manila University

BS-MS Computer Science with Specialization in
Data Science & Analytics (August 2019 - July 2023)
Cumulative QPI: 3.71 / 4.00
Magna Cum Laude

EXPERIENCES AND INVOLVEMENTS

DATA SCIENTIST – UNIONBANK OF THE PHILIPPINES
October 2024- present
- Spearheaded the adoption of Generative AI (GenAI) across the bank, driving innovation and improving efficiency in key functions.
- Designed and deployed the AMLOps framework, enhancing fraud detection capabilities and streamlining compliance processes.
- Optimized transaction data pipelines, improving processing efficiency and operational performance.
- Developed user-friendly AMLOps Graph Visualization UI features, improving data accessibility and visualization clarity for stakeholders.
- Conducted GenAI workshops, upskilling employees and promoting AI-driven solutions across the organization.
- Created the GSA Warehouse Toolkit, streamlining data management and reducing operational bottlenecks.

ATENEO SOCIAL COMPUTING SCIENCE LABORATORY (INFODEMIOLOGY TRACK) – RESEARCH ASSISTANT
August 2023- June 2024
- Developed and trained a prediction model for pandemic diseases using time-series modeling.
- Created a website application for monitoring, predicting, and visualizing COVID-19 across the Philippines
- Data Cleaning and Feature-engineering of models

CUSTOMER DEVELOPMENT AUTOMATION INTERN– UNILEVER
November 2023- August 2024
- Automated and created an app for budget preparation in the sales department
- Created a microsite dashboard for tracking outlet stores performance and payment
- Automates the process for encoding user access form information

WEB DEVELOPMENT INTERN – AZEUS SYSTEMS PHILIPPINES LIMITED
June - September 2022
- Design and develop web pages using a form designer tool.
- Write backend capabilities of the web pages using the provided ETL tools.
- Develop visualizations and reports using the provided reporting tools.

CONTACT INFO

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SENIOR RELATIONS MANAGER – ATENEO MANAGEMENT INFORMATION SYSTEMS
November 2021 - May 2022
- Manages the corporate relations with different tech companies
- Marketing the workshops and projects of the organization
- Communicates with different company representatives

JUNIOR SOFTWARE ENGINEER – GOOGLE DEVELOPER STUDENT LOYOLA CLUB
April 2020 - August 2021
- Used basic python in coding a facebook chatbot application.
- Heroku application deployment

CORPORATE RELATIONS LEAD – GOOGLE DEVELOPER STUDENT LOYOLA CLUB
November 2019- April 2020
- Manages the organizations partnerships and sponsorships with Tech companies
- Communicates with different company representatives Helps in developing plans for workshops and projects.

RELEVANT PROJECTS

Carnegie Mellon University - SBP-BRiMS 2024
Presented and published paper on COVID-19 prediction models at the SBP-BRiMS 2024 conference, showcasing a study focused on simulation modeling and spatio-temporal analysis.

https://sbp-brims.org/2024/papers/working-papers/Lagustan_SBP-BRiMS2024_paper_14.pdf

Infodemiology Disease Monitoring Application
https://gab-03.github.io/infodemiology-demo/
Created an application to create early warning signals with spatio-temporal health risk map regarding COVID-19 cases in different regions in the Philippines using ARIMAX model for predicting COVID-19 cases.

Bitcoin Website Application
Created a system that recognizes the trend of Bitcoin price through NLP techniques and transformer models using Twitter data. It provides traders with different tools and visualizations as supplements for trading decisions.

Car Ateneo Application Project (CAReneo)
Created a ride-sharing app that connect passengers to Ateneo student-drivers on their way home.

Data Story Presentation of the Political Climate
Created a Data Story Presentation on the political landscape using Natural Language Processing. Employed sentiment analysis, text mining, and topic modeling to gauge Twitter user sentiments on presidential candidates Leni Robredo and Bongbong Marcos. Leveraged data visualization for impactful insights.

RELEVANT COURSEWORK

- Exploratory Data Analysis (EDA)
- Natural Language Processing (NLP)
- Data Cleaning & Visualization
- Machine Learning
- Time-Series Modeling and Prediction
- COVID-19 Prediction Model
- Computer Simulation Modeling
- Data Structures and Algorithms
- Object-Oriented Programming for Windows Information Management
- Continuous Integration and Deployment

TECHNICAL SKILLS

- Python
- Django
- Tableau
- Pandas
- Numpy
- Matplotlib
- SQL
- Databricks
- PowerBI
- SparkSQL
- PySpark
- Apache Spark
- AWS
- RESTful APIs
- Docker
- Kubernetes
- CI/CD
- RPA
- Automation
- ETL
- OOP
- Azure
- EDA
- Git
- VSCode
- HTML/CSS
- Javascript
- Java/C++
- Excel

COMPETENCIES

- Adaptable, organized, and critical thinker
- Problem Solving
- Willing to learn new skills
- Collaborator and committed towards work
- Good communicator & efficient time management
- Proficiency in English and Filipino
- Project Management