JOHN ARMAND V. YABUT

BS COMPUTER SCIENCE (SPECIALIZING IN DATA SCIENCE)

CONTACTS

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EDUCATION

Mapua University (2021-2024)

- BS Computer Science Specializing in Data Science
- President's Lister - Top 2 (1Q, AY 2022-2023)
- President's Lister - Top 2 (2Q, AY 2023-2024)
- Dean's Lister - Top 17 (4Q, AY 2022-2023)
- Dean's Lister - Top 17 (1Q, AY 2022-2023)
- Dean's Lister - Top 19 (2Q, AY 2022-2023)

Charis School (2006-2021)

- Diploma in Senior High School: Science, Technology, Engineering, and Mathematics (STEM)
- Finished 5th rank of the class in the STEM academic strand.
- With Honors (Batch 2021, SHS)
- With Honors (Batch 2016, JHS)

REFERENCE

John Paul Q. Tomas

- jpqtomas@mapua.edu.ph

CAREER OBJECTIVE

Passionate and analytical computer science student set to graduate soon, seeking a challenging Data Scientist role. Eager to apply academic knowledge and hands-on experience in statistical analysis, machine learning, and data visualization to contribute to innovative solutions and drive data-driven decision-making in a dynamic team environment.

EXPERIENCES

Software Engineer Intern at FactSet Philippines, Inc. (July 2024 - September 2024)

- Gained knowledge/experience in the following:
  - Asynchronous Programming, Flask Framework, Working in Git/GitHub in a professional setup, and working with APIs.

SKILLS

Data Science

- Utilized Python for tasks such as image classification, extracting features from audio, performing regression and clustering analyses, sentiment analysis, and crafting predictive models.
- Applied R for tasks including data preparation, preprocessing, conducting statistical analyses, and constructing models.
- Conducted data manipulation, retrieval, and ETL processes using SQL.
- Worked with leading data science libraries such as Pandas, NumPy, Matplotlib, Scikit-learn, and Seaborn.
- Employed Google Colaboratory and JupyterLab for the development of data science notebooks.
- Extracted valuable insights, and crafted visualizations and dashboards using tools like Power BI, SAS Viya, SAS EG, Oracle Analytics Cloud, Tableau, and Microsoft Excel.
- Established a real-time data streaming pipeline utilizing technologies such as Zookeeper, Apache Kafka, Hadoop, Hive, Spark, Cassandra, WSL, and Python.
- Engaged in data warehousing and ETL processes through Talend Open Studio. - Developed databases with PHPMyAdmin and MongoDB.

Artificial Intelligence

- Implemented technologies like OpenCV, PyTorch, and TensorFlow for computer vision, machine learning, and deep learning projects.
- Utilized YOLOv7, DeepSORT, CNN, and EfficientNet for tasks in object detection, tracking, and classification.
- Employed Roboflow for image processing, augmenting data, and modeling.

Software Development and Programming

- Developed web applications with HTML5, CSS, and JavaScript for the front end, and PHP for back-end operations.
- Gained basic understanding of Haskell for functional programming and Prolog for logic programming.
- Utilized IDEs like Microsoft Visual Studio, Apache Netbeans, DevC++, and PyCharm for coding.

Soft Skills

- Proficient in communicating in both English and Tagalog.
- Effective collaborator and team player.
- Critical thinker with a problem-solving mindset.
- Demonstrates business acumen.
- Able to handle high workloads and pressures.

TRAININGS

- Python Data Structures - January 2022
- Database Management Essentials - May 2022
- Data Structures - April 2022
- Fundamentals of CNNs and RNNs - October 2022
- Machine Learning For All - September 2022
- Introduction to Data Science in Python - January 2023
- Cyber-Physical Systems: Modeling and Simulation - July 2023
- Computer Simulations - July 2023
- Engineering Practices For Building Quality Software
- Big Data, Artificial Intelligence, and Ethics - March 2024
- Software Development Processes and Methodologies - November 2022
- Visual Elements of User Interface Design - September 2022
- Mathematical Thinking in Computer Science - August 2022
- Introduction to Computer Programming - September 2021

RESEARCH PAPERS

- **Enhancing Pedestrian Safety with Advanced Video Detection: Harnessing YOLOv7 to Identify Smartphone Usage Among Walkers (2024)**
- **Cryptojacking: A Comprehensive Review of Attack Techniques, Victims, and Effective Mitigation Strategies (2024)**
  - Accepted at the 7th International Conference on Information Science and Systems (ICISS 2024)