Joriz Ivann Villanueva

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Education

Polytechnic University of the Philippines   *Sta. Mesa, Manila*
BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)   *Oct. 2020 - Present*
- Cumulative GPA: 1.46 and Top 10% President's Lister of PUP - 1st Sem 2020
- Relevant Coursework: Intro to Artificial Intelligence, Data Communications and Networking, and Software Engineering 1

Work Experience

Bank of the Philippine Islands (BPI)   *Makati city, Philippines*
ARTIFICIAL INTELLIGENCE INTERN   *Apr. 2023 - Jun. 2023*
- Collaborated within two key teams, focusing on code completion/automation and retirement solutions, actively contributing to ideation process and presenting data-driven solutions to C-level executive.
- Utilized geopandas library to analyze geospatial data and identify potential profitable business partners by visually plotting mall locations.
- Leveraged web scraping techniques with BeautifulSoup4 to extract 1000+ listings from websites, ensuring accurate and reliable extraction, and subsequently cleaned the collected data.
- Performed data wrangling tasks using Python libraries and Jupyter Notebooks to clean, preprocess, and transform diverse datasets efficiently.
- Actively participated in machine learning workshops focused on the foundations of AI and machine learning, gaining a comprehensive understanding of key concepts, and practical applications.
- Conducted interviews with cross-functional teams to identify areas or tasks within the company that could be improved through AI or automation.

XXD Global Trading   *Las Piñas, Philippines*
WEBSITE MANAGER   *Jun. 2021 - Dec. 2021*
- Develop and manage an e-commerce platform to increase online sales.
- Implement and execute SEO strategies to improve search engine rankings and drive traffic to the website.
- Monitor website analytics and performance metrics to ensure maximum visibility and engagement.

Philippine Red Cross QC   *Quezon city, Philippines*
OFFICE ASSISTANT   *Nov. 2019 - Jan. 2020*
- Effectively communicated with external partners, fostering strong partnerships and coordinating their events with the Philippine Red Cross.
- Collaborated seamlessly with cross-functional teams, ensuring smooth execution of tasks and efficient organization of paperwork.

Extracurricular

Google Developers Student Clubs - PUP Manila   *Sta. Mesa, Manila*
CHIEF TECHNOLOGY OFFICER & CO-FOUNDER   *Oct. 2022 - Present*
- Act as the head of the technology department, managing 6 teams specializing in different technical fields.
- Work closely with tech leads and executive leads to plan and execute complex projects and events.
- Coordinate partnership meetings with other companies or professionals to expand the organization's reach and impact.

DATA SCIENCE LEAD   *Aug. 2022 - Oct. 2022*
- Organized and maintain the organization's communication medium.
- Develops strategies and solutions for improving operational efficiency.
- Conducted membership interviews with 100+ applicants who have expressed interest in joining the data science team.

Honors & Awards

DOST-SEI RA 7687 Undergraduate Scholar   *Philippines*
DEPARTMENT OF SCIENCE AND TECHNOLOGY SCIENCE EDUCATION INSTITUTE   *May 2020 - Present*
- One of 9,788 out of 102,526 (9.55%) graduating high school students (2020) who clinched a slot in the country's premier science scholarship programs.

Skills

- **Languages**: Python, C++, C, Java, SQL, HTML, CSS, JavaScript, Lua, Rust, LaTeX, Shell Scripting (eg. bash, zsh)
- **Tools & Technologies**: Python (NumPy, Pandas, Matplotlib, BeautifulSoup, GeoPandas), MySQL, PostgreSQL, Firebase, React, Next.js, Node.js, Express, APIs, WordPress, Git, Github Actions, VirtualBox, Docker, AWS S3, SpreadSheets, Jupyter Notebook, Vi/Vim..