



Wayne Matthew A. Dayata

Programmer, Web Developer, Data Scientist



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Philippines

EDUCATION

Bachelor of Science in Computer Science

University of San Carlos
2020 - Present

Senior High School - Science, Technology, Engineering, and Mathematics (STEM) Strand

Philippine Christian Gospel School
2018 - 2020

TECHNICAL INTERESTS

- Data Science and Analytics
- Machine Learning / Deep Learning
- Full Stack Web Development
- Project Management / Scrum
- Competitive Programming

WORK EXPERIENCE

Developer Intern

Sep 2023 - Dec 2023

Full Scale (Gigabook Inc.) | Cebu City, Philippines

- Co-developed an event management system for internal company use.
- Key features: User authentication, account management, event creation, display, and visibility toggling, employee invitation and pre-registration, time logging via manual entry and QR codes, attendance report, raffle generation and winners logging, email announcements, audit trail, and event feedback
- Roles: Full stack development, database design, API design
- Technology stack: Next.JS, Next UI, C#, ASP.NET Web API, MS SQL Server
- Applied the Scrum framework for project management using Trello board.

RESEARCH

Automated Blast Cell Detection of Acute Lymphoblastic Leukemia Using a Stacking Ensemble of Convolutional Neural Networks

Jan 2023 - Nov 2023

Conference: **IEEE International Conference on Communication,
Networks, and Satellite (ComNetSat), 2023**

Award received: **Best Paper (Data Science and Artificial
Intelligence track)**

- Co-developed a deep learning model to classify a white blood cell as normal lymphocyte or cancerous lymphoblast which can aid pathologists in their clinical diagnosis for patients suspected of Acute Lymphoblastic Leukemia.
- Technology stack: Python, Scikit-learn, TensorFlow, Keras, Tkinter
- Employed data augmentation, transfer learning, and threshold optimization.
- Model garnered accuracy, precision, and weighted F1-scores of over 95% when tested on 4,522 cells from 40 subjects in the dataset.

PROJECTS

Talent Management System

Oct 2022 - Jan 2023

- Spearheaded a team of 30 developers for a class project that allowed users to add and customize the talent and services offered. news, past and upcoming events to be featured across the pages.
- Technology stack: Vue.JS, TailwindCSS, Laravel, MySQL
- Utilized Trello for project management
- Utilized RobotFramework (Python) for automated testing.
- Led in partitioning the project into modules distributed to the developers as well as in performing automated tests before merging branches.
- Managed team progress and provided guidelines on the tickets and cards for efficient development workflow.

LANGUAGES/ FRAMEWORKS

- C
- C++
- Java
- C#
- Python
- Keras
- Selenium
- RobotFramework
- HTML, CSS, JS
- PHP
- MySQL
- ASP.NET
- NumPy
- Pandas
- Matplotlib

SOFT SKILLS

- High degree of initiative
- Able to work within tight schedules
- Good problem analysis skills
- Produce excellent outputs
- Good record keeping skills
- Strong presentation skills
- Leadership and teamwork skills
- Good interpersonal skills

REFERENCES

Blasmina C. Mayol

University Instructor

Email : bcmayol@usc.edu.ph

Bea M. Lastimosa

University Instructor

Email : bymartinez@usc.edu.ph

Gerard D. Ompad

University Instructor

Email : gdompad@usc.edu.ph

Quiz Management System

Mar 2021 - Aug 2021

- Create a tool to simulate examinations as a form of review and practice for students with several quiz settings and question format options and customizations.
- Technology stack: Bootstrap 5, JavaScript, jQuery, PHP, MySQL
- Deployed using EducationHost with 100 users accessing the application.

COURSES AND CERTIFICATIONS

PhilNITS Fundamental IT Engineers (FE) Examination Passer	Dec 2022
Data Analytics Fundamentals - DataSense Analytics	Nov 2022
Google Cloud Essentials - Google Cloud Skills Boost	Nov 2022
Data Catalog Fundamentals - Google Cloud Skills Boost	Nov 2022
BigQuery Basics for Data Analysts - Google Cloud Skills Boost	Nov 2022
BigQuery for Machine Learning - Google Cloud Skills Boost	Nov 2022

ACHIEVEMENTS

Champion, Cebu Schools Athletic Foundation, Inc. (CESAFI)

Computer Quiz Bowl College Division

May 2023

- Preliminaries - Assessment about the core computing topics including Computer Systems, Information Processing and Security, System Design and Development, System Operations and Maintenance, Data Structures, Algorithms, Network and Database Technology, and other IT Trends.
- Finals - Programming challenge with algorithmically complex problems

2nd Place, Project SPARTA Open Data Challenge for Cauayan City

Nov 2022

- Applied various data analytics methodologies and generating helpful recommendations from the provided datasets containing the Barangay statistics to prepare a platform for the LGU to access all these data for research and investment purposes.

6th Place, DICT 7th Philippine Startup Challenge Regional Finals

Oct 2022

- Proposed a public transport information system mobile application providing centralized and real-time information of all the PUV locations and their routes to improve the Filipino citizens' overall commuting experience.

LEADERSHIP EXPERIENCES

President, Computer and Information Sciences Council, University of San Carlos

Aug 2022 - Jul 2023

- Led and organized activities within the campus to further enhance the students' well-being and learning experience through practical workshops, programming tutorial sessions, and E-Sports tournaments.
- Initiated digital literacy outreach programs on two local communities focusing on basic computer servicing and productivity tools.
- Delegated tasks to the 32 officers of the council (core team and program ambassadors) and provided counsel on all aspects of the projects.
- Supervise the projects of the council to ensure the quality and effectiveness of all activities to the student body.
- Received the Outstanding Leader Award during the 37th USC Excellence Awards (May 2023).