JEFERSON C. ESCUETA

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Github: https://github.com/binaryjep

EDUCATION

Polytechnic University of the Philippines, Sta. Mesa, Manila.

Bachelor of Science in Computer Science

October 2021- August 2025 (expected year of graduation)

Current GPA of 1.255 – Running for Magna Cum Laude

SCHOLARSHIP GRANT

Depatment of Science and Technology – Science Education Institute

October 2021- Present

PROJECTS

@YourExpense, Co-developer (front-end) – a budgeting application developed using Python, KivyMD (library for front end/ GUI), and MongoDB.

Kuwero Leather Shoe Website, Co-developer – an e-commerce website developed using HTML, CSS, and JavaScript.

SmartPlate, Co-developer – a meal plan optimzer integrating a fractional knapsack greedy algorithm. The application was developed using Python, and request library to access the Nutritionix API (food database).

Plumber, Co- developer – our own programming language that introduces a pipelining principle for file automation and general-purpose programming. The Plumber language has a complete and functional lexical analyzer and parser.

HeyPAL – a simple chatbot implemented using Python, DialoGPT, and Flask (backend), HTML and CSS (frontend).

SKILLS

Programming- Proficient in Python and has experience in several libraries for data science, front-end and back-end such as Flask, KivyMD, Requests, Matplotlib, Numpy, and Pandas.

Analytical and Problem Solving- Graduated senior high school in the top percentile of STEM students. Developed an analytical mind through studying online courses, answering complex tests, and partaking in the development of software/solutions.

Research- Contributed to academic papers/studies about the proficiency of mobile study applications, and implementation of Fractional knapsack in the optimization of meal plans. Currently, working on a thesis focused on Temporal KNN integrated with exponential smoothing to capture evolving trends of membership behavior for churn prediciton.

Technical- Exhibits proficiency in the utilization of software tools such as Excel, Word, MySQL, and GIT.

Writing- Wrote numerous academic and technical documentation throughout my scholastic years. Furthermore, I wrote scripts for webinars, podcasts, presentations, and YouTube videos as a freelance job.

Leadership- Managed and led multiple projects from high school to college including research papers, proposals, and webinars. Through these projects, I developed a sense of working collaboratively with a group.

WORK EXPERIENCE

Freelance scriptwriter/ typewriter, 2022-Present

Writing scripts for online businesses, campaigns, podcasts, webinars, and YouTube videos.

EXTRA CURRICULAR

- Host and Technical Writer for Strings Attached: The Art of Encapsulating Java Programming

- Science Club Representative (Junior High School)

CERTIFICATION

- Project Write Up
- Associate Data Scienctist with Python (DataCamp)
- Machine Learning with Python (DataCamp)

ORGANIZATION

- PUP Association of DOST Scholars