

FRANZ CHRISTIAN D. MORELOS

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EDUCATION

University of the Philippines - Los Baños
Bachelor of Science in Computer Science

2022 - present
gwa: 1.167

San Pablo City Science Integrated High School
Junior High School - Senior High School

2016 - 2022
gpa: 99

TECHNICAL SKILLS

Programming languages: Python, Java, C, R, SQL

Frameworks and Libraries: Pandas, NumPy, Tkinter, BeautifulSoup, FastAPI

Developer Tools: Git and Github

PROJECTS

PSE Trading Platform | *Python, MySQL, FastAPI, BeautifulSoup, HTML, CSS, JavaScript*

2022

- Developed a virtual trading platform that web scrape current PSE stock prices data and allows users to execute stock transactions, facilitating both buying and selling activities.
- Maintains transaction history, enabling users to review past trades and analyze investment strategies over time.
- Automatically tracks user balances to ensure accurate portfolio valuation. Calculates and displays percentage gains or losses.

Diet Optimizer | *Python, NumPy, Tkinter*

2022

- Developed a smart diet planner using the simplex method. It finds affordable and nutritious meal plans based on given food selection and specified nutritional constraints, making healthy eating easy.

Curve Fitting Toolkit | *Python, NumPy, Tkinter*

2022

- Built an intuitive polynomial regression calculator that allows user to determine the underlying trend by generating precise polynomial equation from a set of data points.
- Designed an intuitive quadratic spline interpolation tool that allows user to interpolate data points seamlessly.

ACADEMIC EXPERIENCE

Kapisanang Kimika ng Pilipinas - Southern Tagalog, Inc.

2021

50th Annual Convention and 1st International Scientific Conference

1ST PLACE DIGITAL SCIENTIFIC POSTER COMPETITION

Achieved first place in an international research conference featuring a diverse range of global, institutional, and government-funded research projects.

12th UPLB CAS Student-Faculty Research Conference

2019

BEST UNDERGRADUATE PAPER AWARD

Recognized with the Best Undergraduate Paper award at the UPLB CAS conference, competing against research papers from graduating students.

ORGANIZATIONS & AFFILIATIONS

Resident Member at the Young Software Engineers' Society

2023 - Present