

Joshua Patrick G. Chiu

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PROFILE [Website](#)

With a unique blend of technical and analytical skills, I am passionate in using data science related technology such as predictive and classification models. I have experience in data wrangling, analysis, and visualization to extract actionable insights that inform business decisions. I also aspire to be skilled in software development to wield frameworks in creating user-friendly interfaces and backend solutions that address business requirements.

EDUCATION

UNIVERSITY OF SAN CARLOS [Website](#) Cebu City, Cebu
Bachelor of Science, Major in Computer Science (GWA 1.66) Expected May, 2025
Dean's Lister (2023)
Relevant Coursework: Data Structures and Algorithms, Algorithms and Complexity, Software Engineering, Systems Analysis and Design, Web Development, Object-Oriented Programming, Application Development.

EXPERIENCE

QuadX Cebu City, Cebu
Data Analyst (Remote) June - September 2023

- Developed and implemented statistical models using R and Python to analyze & optimize business operations
- Utilized predictive modeling techniques to forecast key business metrics
- Designed and maintained data pipelines to ensure reliability of data-driven solutions

TALLECO JOB TARGET PHILIPPINES Cebu City, Cebu
Data Scientist (Remote) August - November 2024

- Trained in industry level database management skills, to maintain, analyze, and organize large datasets efficiently, communicated key insights to technical and non-technical stakeholders, and collaborated with a Data Scientists
- Applied statistical analysis and advanced statistical methods to extract insights from data in data visualization to communicate my findings effectively using R and Python.
- Provided comprehensive data report and design through PostgreSQL using PowerBi, Amazon Quicksight, and Amazon Athena.

TECHNICAL SKILLS

Programming: C, C++, JavaScript, Typescript, Python, Java, PHP
Web Development: HTML, CSS, TailwindCSS, C#, DOTnet, ReactJS, NextJS, Node, Express, Laravel, Angular
Design and Prototyping: Figma, Lucidchart
Databases: SQL, MySQL, PostgreSQL, Appwrite, MongoDB
Collaboration: Microsoft Teams, Jira, Quicksight
Soft Skills: Problem-solving, Attention to Details, Communication, Leadership, Teamwork and Collaboration, Time Management, Project Management, Continuous Learning

CERTIFICATIONS

CCNA2: Switching, Routing, and Wireless Essentials Aug - Dec 2022

- A certification that gave me a broad understanding of Security Operations to detect and analyze intrusions and monitor the network by completing up to 52 hands-on labs using virtual machines (Security Onion - ELK) and/or Cisco Packet Tracer. View certificate [here](#).

CyberOps Associate Aug - Sept 2023

- A certification that gave me practical experience with a CCNA course focusing on advanced switching technologies, LAN/WLAN security, and troubleshooting VLANs, redundancy, and Cisco Packet Tracer.

Introduction to SQL & Intermediate SQL by DataCamp Oct 2024

- Certifications I completed to strengthen my foundational knowledge of SQL. View certificates [here](#)

PROJECTS

Multi-Agent PPO

- Co-developed a Multi-Agent PPO, an implementation of algorithms for Deep Reinforcement Learning with continuous action spaces using Python, Seaborn, and Tensorflow along with context-aware DAG topologies. [Github](#).

Patient Management System

- Developed a A Healthcare Management System Designed for Medical Record Management that enables patients to book doctor checkups/appointments and admin CRUD operations using Twilio, Next.js, Vite, Tailwind, and Appwrite. [Github](#).

Taskify

- Developed "Taskify," A Task Management App for Employees with searching index function, hierarchy ranking, and admin CRUD Operations using Vite, React, SQL, and Javascript. [Github](#).

Toxic Classification Model

- Co-developed a model to classify and mitigate toxic responses generated by dialogue models trained on human conversations.using BERT language model with GloVe embedding. [Github](#).

LEADERSHIP & ACTIVITIES

Computer Information Sciences Council Sept 2024 - Ongoing
Ambassador

- Responsible for representing block concerns in the university's and department's endeavors, promoting department projects, and communicating executive announcements.

Google Developer Student Clubs USC Sept 2021 - Aug 2023
Noogler Member

- Participated in Google Developer Student Clubs at USC by engaging in technical workshops and community activities.