

# Joshua Patrick G. Chiu

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## PROFILE

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

**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](#).

**Pokedex Database**

- Developed A dynamic web application showcasing Pokémon information, featuring an interactive interface for browsing, viewing detailed stats, and exploring various Pokémon types using React, Framer-motion, and JavaScript. [Github](#).

**DCISM Bulletin-board**

- Co-developed a department-based online bulletin system, with announcement posts, content management, room-tag categorization, and role-based authorization using Dexie, React, Express, and Typescript. [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.