Carlo Antonio Taleon

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About & Objective

An aspiring Full-Stack Software Engineer with over 2 years of demonstrated experience in developing web applications hoping to obtain an internship where I can assist on software engineering projects using my technical background as well as organizational and leadership skills.

I'm available to work full-time starting January 25, 2023 – June 2023 as our University allocated this period for internships.

Education

West Visayas State University   **Degree Expected:**
B.S. Computer Science major in Artificial Intelligence   June 2023
- GWA 1.13 (1.00 highest) – Summa Cum Laude Standing
- Gold Academic Achievement Award for 3 years (maintain a GWA of 1.24-1.00)
- Relevant Coursework: *Data Structures and Algorithms, Object-Oriented Programming, Software Engineering, Applications Development and Emerging Technologies, Machine Learning, Artificial Neural Networks, Computer Vision*

Technical Skills

• React/NextJS	• TailwindCSS	• NodeJS/Express/FastAPI	• Python/PyTorch/Tensorflow
• Typescript/Javascript	• Redux/Zustand	• MongoDB/PostgresQL	• Visual Studio Code
• C#	• Git/GitHub	• Firebase	• Agile & Project Management
• C++	• Vercel/DigitalOcean	• Socket.io	• Data Visualization

Notable Projects

ScolioVis *(Typescript, React, NextJS, TailwindCSS, Python, FastAPI, PyTorch, Vercel, Railway)*   2022
https://scoliovis.app/
- Wrote an undergraduate thesis paper on the development of an app to automatically diagnose scoliosis x-ray images using machine learning and computer vision.
- Trained a Keypoint RCNN model that predicts cobb angles (the measure for scoliosis severity) at **91.03%** accuracy, which is a **12%** increase in accuracy compared to the first-prize winner in the AASCE 2019 Grand Challenge.
- Completely responsible for preprocessing a custom dataset for keypoint detection, model training and evaluation, development, and deployment of the web app on FastAPI with a NextJS frontend.

LinkRoom *(ReactJS, TailwindCSS, NextJS, Typescript, Zustand, Vercel)*   2021
https://linkroom.vercel.app/
- Developed an online bookmarking web platform for neatly organizing multiple links in one place. Used by multiple students in my university to improve their productivity in online classes.

Cafe.ly *(ReactJS, TailwindCSS, Firebase, MongoDB, Express, Vercel)*   2021
https://cafely.vercel.app/
- Lead a team of 6 people to develop a full-stack coffee product review application using the MERN stack deployed on Vercel serverless functions at a timeline of 3 months.

Awards

3rd out of 32 teams – Phillipine Startup Challenge 7 Regional Pitching Competition   October 2022
- Pitched my small startup, LinkRoom for a competition organized by the Department of Information and Communications Technology (DICT) Region 6 and won 3rd place out of 32 other teams in the region and a special award for Best Video Presentation.

Best Thesis and Best Paper – Ateneo de Iloilo Research Conference 2019   March 2019
- Developed an instructional chemistry game to teach and practice electron configuration for Grade XI students. Conducted experimental research around the game and represented my high school at the Ateneo de Iloilo Research Conference 2019 along with 6 other schools.

Skills

• Strong leadership qualities within group environments.	• Excellent teamwork and communication skills.
• Ability to work in an organized and timely manner.	• Ability to articulate complex, technical concepts to designers.