

# Carlo Antonio Taleon

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## About & Objective

A Full-Stack Software Engineer with over 3 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 June 2023.

## Education

### West Visayas State University

B.S. Computer Science major in Artificial Intelligence

**Degree Expected:**

June 6, 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)

## Technical Skills

- Languages TypeScript, JavaScript, Dart, Python, C#, C++, SQL, HTML, CSS
- Web & Mobile ReactJS, TailwindCSS, SaSS, Redux, Flutter, React Native
- Backend & Databases NodeJS, Express, Socket.io, FastAPI, Flask, Prisma, GraphQL, tRPC, MongoDB, MySQL, PostgreSQL, Firebase, CockroachDB
- Infrastructure & CI/CD Linux, AWS S3, DigitalOcean, Linode, Vercel, Docker, Git
- Machine Learning Keras, Tensorflow, PyTorch, Sklearn

## Work Experience & Notable Projects

### Software Engineer Trainee (Flutter, ReactJS, NextJS, TypeScript, tRPC, PostgreSQL, Prisma)

January - May 2023

Spring Valley Tech Corp. (Bago City, Philippines)

- Tech Lead for a startup project where I oversee the development of a mobile app, an admin dashboard, and backend service.
- Developed auth, managed continuous development, architected database schemas, and provided technical documentation for the team.
- Developed a production-level Flutter application with the Stacked (MVVM) Architecture.

### ScolioVis (TypeScript, React, NextJS, TailwindCSS, Python, FastAPI, PyTorch, Vercel, Railway)

2022

<https://scoliovis.app/>

- Developed of a machine learning and computer vision web app for automatically assessing x-ray images of scoliosis patients.
- 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

### 3<sup>rd</sup> 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 3<sup>rd</sup> place out of 32 other teams in the region and a special award for [Best Video Presentation](#).

### Best Paper and Best Presenter – 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.