

Leander Danilo Ramon D. Perez

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Cagayan de Oro City, Misamis Oriental, Philippines

EDUCATION

University of Science and Technology of Southern Philippines

August 2019 - August 2023

Bachelor of Science in Computer Engineering

- **Certificates:** Dean's Lister | Student Incubation Program
- **Relevant Coursework:** Software Design and Engineering, Project Management, Technopreneurship, Computer Architecture and Organization, Data Structures and Algorithms

WORK EXPERIENCE

Startup EnYOUmerate

August 2022 – Current

Co-Founder and CTO | University of Science and Technology of Southern Philippines

- Collaborated with 3 other co-founders in making the initial software for a year.
- Codes the algorithm on the people counting part of the software, as well as trained the computer vision object detection model and annotate datasets that is used.

(Python, OpenCV, YOLOv5, Pytorch, Label Studio, Google Colab)

Skunkworks AI (meldCX) Internship

February – April 2023

Computer Vision Intern | Masterson Avenue, Cagayan de Oro City

- Was assigned in the computer vision department along with another intern then collaborated with our leads for the tasks assigned to us which include the following:
- Convert datasets to other formats to be compatible with training other models. Training models to be tested and used. Improve inference accuracy of the model, as well as having experience in reading documentation in Huggingface. Annotate datasets to be used in training. Then QA datasets that was annotated if there are errors during annotation. Made automation scripts to visualize the annotations for QA purposes.

(Python, OpenCV, Huggingface, Pytorch, Label Studio, Google Colab)

PROJECTS

Thesis Project

September 2022 - May 2023

Customer Counting and Mapping for Intelligent Retail Environment using Computer Vision

University of Science and Technology of Southern Philippines

- Collaborated with three other members and was assigned to code the algorithm for the people counting part of the project.
- Trained the object detection model that is used for both the people counting and motion heatmap. Annotated the datasets used for the said trained model. QA test results to see the accuracy of the model and the algorithm itself.

(Python, OpenCV, YOLOv5, Pytorch, Label Studio, Google Colab)

[Spotify Wrapped Website](#)

October 2024

- A website where you can access spotify wrapped anytime.
- Coded the frontend for design and backend to call the spotify api to access the necessary information of the spotify user.

(HTML, CSS, Flask, Python, Spotify API, Pythonanywhere (for hosting))

Human Detection Inference Website

December – January 2024

- A computer vision website project that takes an image as input then outputs an image with bounding boxes of detected people.
- Designed and implemented the front-end using HTML, ensuring an intuitive and responsive user interface.
- Employed Flask, a lightweight Python web framework, for efficient back-end development and seamless communication.

- Integrated OpenVINO to achieve high-accuracy human detection in images.
- Containerized the frontend and backend separately with Docker, ensuring easy deployment and consistent performance across different environments.
(HTML, Flask, Python, OpenVINO, Docker)

Personal Portfolio Website

October 2024

- Designed and developed a dynamic and visually appealing personal portfolio website to showcase skills, projects, and professional experience.
- Crafted an interactive HTML-based front-end, incorporating CSS for styling and Javascript for dynamic content and enhanced user experience.
- Implemented a backend using Python to handle data processing, ensuring seamless functionality and efficient communication between the front-end and server. And hosted the portfolio website on Github Pages.
(HTML, CSS, Javascript, Python, Github Pages (for hosting))

Fishing Ban Report App

February 2021 - January 2022

Lanao del Norte

- Frontend coding for the UI, backend coder for the application, used GPS, handled the firebase integration.
(Kodular Creator, Google Maps API, Firebase)

Dental System

February 2020

University of Science and Technology of Southern Philippines

- Made a desktop application to calculate the expenses the patient has to pay after the appointment.
(Java (Java Swing))

Calorie Burnt Predictor

January 2022

University of Science and Technology of Southern Philippines

- Made a predictor for total calorie burnt utilizing Machine Learning based on inputs (gender, age, height, weight and total minutes exercised).
(Python, Random Forest Regressor)

Door Lock System

May 2022

University of Science and Technology of Southern Philippines

- Coded and made a door lock system using arduino with a temperature sensor (pandemic purposes).
(Arduino (Variation of C++))

ROTC Attendance System

January 2020

University of Science and Technology of Southern Philippines

- Made a ROTC attendance system to be utilized in ROTC.
(C)

ACHIEVEMENTS

Startup Incubation Program Completer

June – August 2022

CET | University of Science and Technology of Southern Philippines

- Completed the 8-week incubation program for startups by the Center for Entrepreneurship and Technology

Regional Qualifier

September 2022

Philippine Startup Challenge 7 | DICT Region 10 – Zoom Platform

- One of the top 6 Teams that had pitched our Startup

Computer Systems Servicing (NC II) Holder

August 2019

TESDA | Cagayan de Oro City

- Networking, reformatting, computer servicing

Computer Systems Servicing Placer

September 2018

Technolympics | BNSHI Maramag, Bukidnon

- 4th placer

SOFT SKILLS

Time management | Problem-solving | Flexibility | Organization | Leadership | Communication | Collaboration | Creativity

HARD SKILLS

Video Editing | Basic Programming (C, Java, Kodular) | Intermediate Programming (Python) | Automation Scripts (Python) | Computer Systems Servicing | Networking | Canva | Figma | JIRA | | MS Word | MS Products | MS Excel | Canva | Data Gathering | Workflow Delegation | Schedule Management | Adobe Illustrator | Adobe Photoshop | Firebase | WIX | Project Management | Huggingface | Google Colab | Docker | OpenVINO | Flask