ANTON LUIS PEREZ

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ABOUT ME...

Hi! I'm Anton, a BS Electronics Engineering graduate with experience in programming (Python, C/C++, assembly), data preparation and management, machine learning, artificial intelligence, scripting, and workflow automation. I'm looking to progress my skills further in an enriching work environment while collaborating with like-minded peers and under the mentorship of seasoned professionals in the tech and programming industry.

EDUCATION

University of the Philippines - Diliman　　　　　　　　　　　　　　**Aug 2019 – Jul 2024**

Bachelor of Science in Electronics Engineering, Cum Laude

ACHIEVEMENTS

Presented final-year project poster at NEECECON2024　　　　　　　　　**– Jul 2024**

Semi-supervised Labeling of Vehicle Traffic Dataset Using Active Learning for Traffic Analysis Applications

- Best Research Design Nominee
- Created a training framework, using clustering and active learning, for a YOLOv8 model computer vision model to detect vehicles and calculate traffic parameters.
- **Technologies used:** Python, OpenCV, YOLOv8, ByteTrack, scikitlearn, numPy, Pandas, PyTorch

EXPERIENCE

Freelance Programmer　　　　　　　　　　　　　　　　　　　　**Oct 2024– June 2025**

Digital Marketing　　　　　　　　　　　　　　　　　　　　　　　　*Remote Work*

- **Skills/Technologies used:** scraping, data management and processing, Python, CLI, Web API, FFmpeg, yt-dlp
- Developed workflows using custom and open-source code to scrape relevant trending social media content.
- Processed video datasets using FFmpeg for batch editing and formatting.
- Automated Excel data manipulation tasks using Python and pandas.
- Monitored social media trends and curated viral videos to identify high-impact content.

University Organization Event Head　　　　　　　　　　　　　　**Feb 2023– May 2024**

Synergy 2024: Corporate Connections, ERG87 Anniversary Charity Project　　*UP Engineering Radio Guild*

- Co-headed various organization events. Handled manpower management, external partnerships, and overall event planning.
- **Skills developed:** Leadership and team management, communication skills, networking skills, project management.

SKILLS

- Computer vision
- Machine learning
- Data annotation and management
- Workflow automation
- Web API usage

- **Programming langauges:** Python, C++, assembly, HTML, CSS
- **Languages:** English (fluent), Filipino (fluent), Korean (Beginner)
- **Soft Skills:** Efficiency, effective communicator, teamwork, creativity, positive attitude, critical thinking

INTERESTS

- Machine Learning
- Computer Networks
- Fitness
- Internet of Things
- Computer Games