Jose Paredes Colmenarejo

Computer Vision & ML Engineer

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SUMMARY

Computer vision & ML engineer focused on industrial quality control and local-first AI products. I build YOLO-based inspection systems and the data automation around them, including DocFlow, an internal SaaS in production developed with AI assistance (Claude).

EXPERIENCE

Data Analyst & AI Engineer · EIPSA — Madrid `01/2024 – Present`

- Industrial computer vision: YOLO11 models for fluorescent penetrant inspection and welding defect detection in metallurgy quality control.
- DocFlow, an internal SaaS in production: 21 API routers, 24 service layers and 24 frontend screens; FastAPI, React, DocuSign, JWT, Docker + CI; AI-assisted development with Claude.
- DXF technical-drawing data extraction: 80% less manual processing time.
- Email→ERP automation: 500+ incoming documents per month.
- Tableau dashboards for project documentation tracking.

Data Management Technician · Comunicación Permanente — Madrid `01/2021 – 12/2023`

- Customer database of 10,000+ records; internal reporting improved incident tracking by 25%.

Electronics Lab Technician · Grupo ANOVO — Madrid `01/2015 – 12/2020`

- Diagnostics and repair of 50+ devices per week at 95%+ quality.

SELECTED PROJECTS

- Subany (subany.video) — live subtitles in the browser: Whisper + ONNX on WebGPU, no server round-trip.
- CleanYourMail (cleanyourmail.org) — local-first Gmail inbox cleanup.
- CleanYourPhone (cleanyourphone.org) — inspect and clean your phone locally.
- Pro POV CS2 (propovcs2.com) — computer vision for Counter-Strike 2 POV clips.

STACK

Python · PyTorch · TensorFlow · Keras · YOLO · OpenCV · scikit-learn · Pandas · NumPy · FastAPI · Flask · React · Docker · GitHub Actions · SQL · PostgreSQL · Tableau · Hugging Face · Whisper · ONNX · Claude

EDUCATION

Data Science Bootcamp · The Bridge `09/2021 – 06/2022`

Advanced Vocational Degree in Telecommunications · Centro de Formación Padre Piquer `2010 – 2012`

LANGUAGES

Spanish (native) · English (B2)

OPEN SOURCE & KAGGLE

- 33+ public repositories and 268+ followers on GitHub.
- 10+ computer-vision models on Hugging Face (YOLO v9–v12).
- Kaggle bronze medal in multilabel image classification (ResNet152).