

# Dhia Dahmeni

## Engineer

Innovative engineer with a track record in building robust and intuitive systems.

**Skills** Python, Rust, Zig, C/C++, Go, JS/TS, SQL, Linux, Git, Nix, Kubernetes, Solidworks

## Work Experience

### Vision Equipment Engineer at Tesla

May 2025 – October 2025

Berlin, Germany

**Skills:** Python, C++, OpenCV, SolidWorks, Computer Vision, Beckhoff, Automation

- Saved €2M by building in-house welding check using existing cameras, eliminating manual checkpoints; manufacturer failed to implement.
- Led path deviation handling and behavior control for EOL-to-parking autonomous car project.

### Founding Engineer at revi.ai

November 2024 – May 2025

New York, Remote

**Skills:** Typescript, Python, RL, Pytorch, AI, OSINT

- Built novel deepsearch agent matching OAI performance at lower cost, with custom scraper and Slack-integrated human verification.
- Designed OSINT AI with knowledge graph for traversal, connection, summarization, and lookups.

### Founder at orobis

May 2023 – October 2024

Remote

**Skills:** Python, Rust, Typescript, C++, JavaScript, Docker, TensorFlow/Keras/PyTorch, FastAPI, NextJS, ReactJS

- Built multi-threaded AI-based scraping system, scaling document count from 30k to 3M for un-otes.net.
- Trained and fine-tuned LLMs for document classification.
- Integrated LLMs into enterprise app at devino.ca.
- Built PR preview system with Docker, cutting CI/CD time by 80%.
- Developed FastAPI backend for fashion social media startup, enhancing performance.
- Created football auto camera and match analyzer with Computer Vision.
- Collaborated with Ivy (Y-Combinator) to optimize ML functions and code conversion.

### Software Engineer at Datawisp

January 2024 – October 2024

New York, Remote

**Skills:** Rust, Typescript

- Implemented pivot table from scratch, 300% faster than previous version.
- Created stat analysis block calculating correlation/insights, 2x faster than suggested.
- Investigated performance issues, improved graph compiler performance.
- Wrote flipside Async API client in Rust, eliminating snowflake DB costs.
- Rewrote async CRUD operations, significantly boosting IO performance.
- Fixed many breaking bugs in record time, impressing clients.

### Full Stack Engineer at Lokafy

May 2022 – May 2023

Canada, Remote

**Skills:** Python, JavaScript, Cloud (GCP), Django, NodeJS, VueJS, Docker

- Cut business costs by refactoring and fixing email parsing system.
- Reduced API costs by building a scraping system.
- Built data reporting pipeline for better business metric overview.
- Refactored backend to simpler design with less code and fewer dependencies.

## Education

### Holberton School

Tunisia

Machine Learning

Projects – <https://dhia.xyz/#projects>