

Marcel Claramunt — CV

AI & Full-Stack Engineer [[LinkedIn](#)] [[GitHub](#)] [[Website](#)] [[Email](#)]

Skills & Technologies

Proficient In

- **Languages:** Python, TypeScript
- **Machine Learning:** PyTorch, TensorFlow, OpenCV (with a focus on computer vision)
- **Backend:** FastAPI, Postgres, CosmosDB, Azure Blob Storage
- **Frontend:** React, Vite, NextJS
- **DevOps:** Docker, Kubernetes, Azure

Additional Experience

- **Sales & Customer Support:** cold outreach and customer success
- **Sysadmin:** bash, cron, services
- **Other Languages:** C, Rust, Go, Java, Haskell, Kotlin
- **Other Technologies:** ZeroMQ, Kafka, AWS

Professional Experience

Solo Founder, Moveread (2023 — Present)

- Sold over 15 tournaments across Spain, France, Germany and Brazil, generating 50-150€ of revenue per tournament
- Collected a dataset of >500k annotated handwritten chess moves
- Collected a dataset of >5k annotated grid images (for table structure recognition)
- Trained a Table Transformer to >95% accuracy, allowing fully automated preprocessing for most scoresheet models
- Trained an OCR model to >90% accuracy on handwritten chess moves
- Finetuned a postprocessing algorithm to >99.5% precision and 50% recall (allowing human-level, completely automated processing of half the games)

Independent Open-Source Projects (2023 — Present)

- **Haskellian:** a functional programming library [[repo](#), [docs](#)]
- **Pipeteer:** a simple and explicit durable execution framework [[repo](#), [docs](#)]
- **Cit:** a developer productivity bash CLI tool, providing a centralized way to scaffold projects, open repositories, run services, and more [[repo](#), [docs](#)]
- **KV:** an async key-value interface for Python, with implementations for SQL, Redis, Azure Blob, Cosmos DB, the file system, and more [[repo](#), [docs](#)]

Plus many more open-source contributions and projects on my [GitHub profile](#)

Education

BS in Computer Science

- Faculty of Informatics, Polytechnical University of Catalonia (UPC)
- GPA: **9.01/10** overall and **9.7/10** in the initial phase [[Academic record](#)]

Languages

- Catalan & Spanish: Native
- English: Fluent, especially written
- French: B2 intermediate [[DELF certificate](#)]