

Marcel Claramunt — CV

I've been a solo founder for over a year, building an AI-based service. Now, I'm looking to become a team player and learn from working with others.

Skills/Tech

Field	Technologies	Proof
Sales & Customer Support	Cold email, call and text outreach, Customer support	About 15 chess tournaments sold and managed in Spain, France, and Germany (most through cold outreach) this summer (2024): moveread.com , tnmt.moveread.com ,
Deep Learning	Pytorch, TF. Background: probability, linear algebra, and calculus	github.com/marciclabas/tensorflow-ocr , github.com/marciclabas/mltools , https://github.com/moveread/ocrmap
Computer Vision	OpenCV. Background: computational geometry	github.com/marciclabas/cvjs , github.com/marciclabas/react-image-manipulation , github.com/marciclabas/pure-cv
Backend	Python, FastAPI	api2.moveread.com/docs
Webdev	React, Typescript, NextJS	github.com/marciclabas/react-chakra , marcelc.uk/ , github.com/marciclabas/actually-beautiful-dnd , github.com/marciclabas/contextize
Sysadmin	Bash scripting, Cron, Services, etc.	Hard to prove, but: github.com/marciclabas/cit
Devops	Docker, Azure	https://hub.docker.com/u/moveread , https://github.com/marciclabas/func-az . Most sites mentioned above are hosted on Azure SWA, backends are Docker on Azure Web Services. Data of my service is stored on Cosmos DB and Azure Blob (https://github.com/moveread/core)

Other stuff I know but haven't used in production: C, Rust, Haskell, Android (Kotlin w/Jetpack), Java

Formal Education

BS in Informatics Engineering

- *Faculty of Informatics of Barcelona (FIB) of the Polytechnical University of Catalonia (UPC)*
- Average: **9.01/10** overall and **9.7/10** in the initial phase
- Currently in last (4th) year
- [Academic record](#)

Professional Music Degree

- *Municipal Music Conservatory of Barcelona (CMMB)*
- [Certificate](#)

French DELF B2

- [Certificate](#)

Projects

Moveread

A service for chess tournaments. This summer (2024), it has been used in over 15 tournaments across Spain, France and Germany.

Moveread

An AI-based app to digitize handwritten chess scoresheets

🌐 <https://moveread.com/en/>

Moveread involved training these models:

Usage	Model	Details	Data
Image Preprocessing	Table Transformer	Adapted to predict contours (instead of bounding boxes)	Finetuned on over 6k annotated scoresheet images
OCR	CNN+RNN (with CTC)		Finetuned on over 500k annotated handwritten chess moves
OCR Postprocessing	BERT	(Position, Notation) → Move. Trained with related tasks and simulated errors and OCR noise	Trained from scratch with increasing difficulty. Millions of positions, randomly generated and from real online games

Open Source

Many open source libraries as a by-product of Moveread:

Package	Language	Description
haskellian	Python	A method-chaining style Functional Programming library
kv	Python	An async dict interface, with implementations for SQLite, Postgres, Redis, Azure Blob, Azure Cosmos DB, the file system, and more
react-chakra	React TS	Animations and user interaction components over ChakraUI and Framer Motion. Live demo
react-image-manipulation	React TS	Perspective cropper and grid selector UIs, over FabricJS and OpenCVjs (via web workers). Live demo

And more! [GitHub](#)