# Daniel Mehler

Co-founder & CTO of Oblivion · AI & Full-Stack Software Developer

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Cognitive scientist by training, engineer by trade. As co-founder and CTO of Oblivion I own the technology and build Overmind, the agent pipeline that builds, hosts and runs client software, with a senior engineer reviewing every change. I build full-stack platforms and AI agents that take over real processes end to end, and advise on where AI pays off in a business before anything gets built. BSc in Cognitive Science (Tübingen), Master in AI for Business (EADA, Barcelona); trained deep-learning models (CNNs, LLMs) in PyTorch and deployed cloud infrastructure on AWS.

## Education

**Master in AI for Business** EADA Business School, Barcelona Oct 2025 – Jul 2026
Grade DE 1.2 · ES 9.1 / 10 · US 4.0 / 4.0

- Thesis (1.3 · 9.5 / 10): an explainable money-mule model at a Spanish digital bank, retrained when the data drifts and checked by a human compliance team.
- Machine learning applications, AI strategy and product development, with applied industry projects.

**BSc Cognitive Science** Eberhard Karls Universität Tübingen Oct 2021 – Oct 2024
Grade DE 1.7 · US 3.5 / 4.0

- Thesis (1.3 · 3.8 / 4.0): how AI writing tools like ChatGPT change the way people come up with ideas.
- Linear algebra, multidimensional analysis, statistics, algorithms, machine learning and computational linguistics (NLP), with programming in Python and MATLAB.

## Experience

**Co-founder & CTO** Oblivion · oblivion.vision 2026 – present · Mexico City
AI agents build, host, operate and evolve production software for our clients, a senior engineer reviews every change, and the same team does all of it.

- **Overmind** (in build): agent pipeline that plans, designs and ships client applications from a single brief.
- **Axo Capital** (in build, axocapital.mx): lending platform for a Mexican non-bank lender that finances importers and exporters against outstanding invoices. Automated credit analysis scrapes invoice data from Mexico's tax authority (SAT) to assess cash flow, financial health and transaction validity before findings reach human credit analysts. Ruby on Rails, React.
- **Dlife** (built, dasp.mx): diabetes-care platform for patients, doctors and pharma, built as one of three developers, with role-specific registration, dashboards and permissions. Designed and deployed the AWS infrastructure, role-based sign-in, CI/CD and an integration with an external affiliate programme.
- **FlowSight** (in build): contrast-media intelligence for hospitals that tracks every injection and runs on site, next to the scanners.

**Money-mule detection** MyInvestor · research project at EADA Feb 2026 – Jul 2026 · Barcelona

- Interpretable classification model that flags money-mule accounts for the Spanish neobank MyInvestor in an anti-money-laundering workflow, producing risk scores for compliance review instead of automated decisions.
- Built and evaluated Logistic Regression, Decision Trees and Gradient Boosting with SHAP on 3,000 accounts using device, transactional and KYC features.
- Designed a dynamic model for temporal feature drift: drift detection, rolling retraining windows and behavioural sequence modelling.

**AI Software Developer** Medphoton, a Brainlab company Feb 2025 – May 2025 · Salzburg

- Voice-command system for CT scanners in Python as sole developer, combining speech recognition with LLMs and prompt engineering; working prototype delivered in three months.
- Architected the pipeline from input processing through LLM inference to command mapping, and evaluated model configurations for accuracy and latency in a safety-critical medical context.
- Wrote a 50-page technical report on methodology, benchmarks and deployment considerations.

## Projects

### Products

**YAPP AI** (in build): dictation, live meeting translation and notes for teams, as a macOS app. macOS · Swift · LLMs · Speech to text

**FindPint** (shipped, findpint.app): a map of pint prices at bars, with nights out planned together. React · Supabase · 2026

### Side builds

**Voralio** (voralio.com): co-founded an oral-exam platform where a real-time AI voice interviewer holds the exam, pitched to the business-school dean and faculty. Built the teacher exam hub, the account-free student flow, the voice integration and AI-generated transcripts and evaluations for instructors. Next.js · Firebase · Vapi · OpenAI · 2026

**Receipt Scanner**: scan receipts, track household spending and split the bill. Next.js · Supabase · 2026

**NutriPilot**: an offline-first nutrition planner as an installable web app, built in plain HTML, CSS and JavaScript from Figma design to deployment. JavaScript · PWA · 2025

**Oblivion CRM** (in build): the studio's own board for clients, milestones and agent work logs. React · Supabase · 2026

### Research

**Cardiomegaly detection**: spotting enlarged hearts on chest X-rays, built in five days at a datathon, with the full PyTorch pipeline and a web app for doctors to upload X-rays and get predictions. PyTorch · CNNs · 2026

**Disease diagnosis**: a machine-learning system that diagnoses disease from patient data. MATLAB · SVMs · 2023

**Speech commands**: recognising 34 spoken commands with 95% accuracy, a two-stage CNN on Mel-spectrograms trained on the Speech Commands dataset. PyTorch · CNNs · 2023

## Skills

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| **AI & machine learning** | AI agents, LLMs & fine-tuning, RAG, Voice AI, CNNs, Transformers, gradient boosting, SVMs, MLOps |
| **Languages** | Python, TypeScript, JavaScript, SQL, Ruby, R, MATLAB, Java, HTML, CSS |
| **Frameworks** | React, Next.js, Ruby on Rails, PyTorch, Scikit-learn, Pandas, Supabase, Firebase, Tailwind, MLflow, Flask, Pytest |
| **Cloud & tools** | AWS (EC2, Lambda, RDS, S3, Cognito, Amplify), Oracle Cloud, Vercel, Git, CI/CD, REST APIs, Figma, Paper |
| **Spoken** | German (native), English (C1), Spanish (B2) |