

Yshai Dinée-Baumgarten

linkedin.com/in/yshai-db | github.com/yshdb5 | yshai.me

Email : yshaidb@gmail.com

CH: +41 79 665 0295 | WA: +972 54 549 8880

EDUCATION

- ETH Zürich** Zürich, Switzerland
• *MSc in Computer Science (Seeking Industry Master's Thesis for Spring 2027)*
Major: Machine Intelligence | Minor: Data Management Systems
Sept. 2025 – Present
- EPFL** Lausanne, Switzerland
• *BSc in Computer Science*
Sept. 2022 – Jul. 2025

AGENTIC ENGINEERING & CORE PROJECTS

- **AIDGE: Autonomous Multi-Agent Investment System (Live Deployment):** Engineered and deployed an end-to-end autonomous trading platform orchestrating 60+ concurrent LLM agents in a hierarchical structure (Researchers, PMs, CIO). Built on a distributed, event-driven backend (Python, FastAPI, Redis Streams, Postgres, Next.js) to process real-time market data and SEC filings. Solved complex multi-agent coordination, tool-use, and long-horizon reasoning challenges. Implemented strict compliance gates, risk sizing, and full system observability to ensure highly traceable AI decision-making. (Feb. 2026 – Present)
- **Rocky RAG System (EPFL Rocket Team):** Designed and deployed a production-grade Retrieval-Augmented Generation (RAG) system supervised by EPFL's CVLab. Enabled intelligent semantic queries over 2,400+ technical documents using LLMs, LangChain, and Vector Databases. (Feb. 2025 – Jul. 2025)
- **AI Vocal Receptionist:** Developed a real-time voice-to-voice AI agent using Python, OpenAI LLMs, and Cartesia TTS for natural, low-latency interactions. Implemented a ChromaDB RAG system for knowledge retrieval and integrated API tool-use for automated calendar scheduling. (Late 2024)

EXPERIENCE

- **Vocca** Paris, France
• *Software & AI Engineer Intern*
Jul. 2025 – Aug. 2025
 - **Outbound Calling System:** Led end-to-end development of a scalable, production-deployed outbound calling system for appointment reminders, serving 100,000+ patients monthly.
 - **Internal Tools & Backend Services:** Built backend services that streamlined operations and significantly boosted team efficiency.
- **ETH Robotics Club** Zürich, Switzerland
• *Software & AI Engineer*
Sept. 2025 – Feb. 2026
 - **Deep Learning & Systems:** Engineered simulation training pipelines using NVIDIA Isaac Lab and developed reinforcement learning policies for complex physical state-spaces, deploying robust ML models onto constrained hardware.
- **EPFL** Lausanne, Switzerland
• *Teaching Assistant (Python Algorithms & Java OOP)*
Feb. 2024 – Jul. 2025
 - **Mentorship:** Mentored 600+ CS students in mastering object-oriented programming, software systems, and algorithmic design.

TECHNICAL SKILLS

- **AI & Frameworks:** Multi-Agent Orchestration, RAG, Tool Use, LangChain, PyTorch, Reinforcement Learning
- **Backend & Systems:** Python, FastAPI, Redis, Postgres, SQL, Java, Scala, C
- **Cloud & DevOps:** AWS (EC2, S3), Docker, Git, CI/CD, Apache Spark, Event-Driven Architecture

LEADERSHIP & LANGUAGES

- **Languages:** Hebrew (Fluent), French (Native), English (Fluent), Spanish (Basic)
- **Leadership:** Founder & President, SHALOM Israeli Association at EPFL (2024–2025): Grew community to 50+ members and organized tech/cultural events.