Thor Whalen

Education

Ph.D.Emory University, MathematicsJan 2000 – presentM.S.Emory University, Computer ScienceJan 2000 – presentLi-
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DEUGUniversité de Nice Sophia Antipolis, Math/PhysicsJan 2000 – presentNon-
de-
greeTechnische Universität Berlin, Graduate StudiesJan 2000 – present

Experience ___

Figiri, Co-founder Jan 2023 – present

- Built data visualization tools for exploring LLM semantic spaces and customer journeys.
- Designed agent-driven analytics pipelines for real-time decision support.

Addix Group, Al Integration Consultant

Jan 2023 – Dec 2023

- Delivered AI agent prototypes (resume-matching, no-code apps, contextual assistants).
- Guided leadership on LLM adoption to reduce costs and accelerate insight-to-action cycles.

Analog Devices, Director of Machine Learning

Jan 2018 - Jan 2023

- Scaled predictive maintenance workflows from IoT data ingestion to device-level deployment.
- Built reusable pipelines tied to ROI and efficiency improvements.
- Translated technical results into business impact for senior leadership.

OtoSense, Co-founder & CTO

Jan 2016 - Dec 2018

- Created IoT recognition systems for logistics and industrial use cases.
- Introduced façade/adapters to unify heterogeneous edge deployments.
- Reframed ML metrics into business-aligned KPIs (dollarized trade-offs of FP/FN).

TagCommander (Commanders Act), Lead Data Scientist

Jan 2014 - Dec 2016

- Built attribution models, real-time KPIs, and automated pipelines.
- Delivered decision-support reporting that improved campaign efficiency.

Expedia, Senior Data Scientist

Jan 2011 - Dec 2014

- Aligned structured hotel/destination data with unstructured ad copy.
- · Optimized bids to balance ROI with revenue and nights sold; boosted KPIs and marketer productivity.

Independent Consultant (Methodic Solutions), Consultant

Jan 2000 - Dec 2011

- Unified messy, siloed data into clean ecosystems.
- Built reusable frameworks and taxonomies to accelerate data-to-value workflows.

Projects ____

Key Open-Source Projects

Jan 2000

Creator of 150+ Python packages, including data infrastructure, AI agent frameworks, and visualization tools.

Publications

Scientific Publications Jan 2000

www.linkedin.com/in/thorwhalen/details/publications ☑

Other Publications Jan 2000

medium.com <a>™

Summary

Al & Data Leader with 20+ years of experience transforming raw data into automation, insight, and action. Co-founder of OtoSense (acquired by Analog Devices) and former Director of Machine Learning at ADI. Expert Python developer with 150+ open-source packages. Hands-on builder with deep expertise in marketplace optimization, predictive maintenance & IoT, and high-volume services.