






Thor Whalen

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 [thorwhalen](https://github.com/thorwhalen)

Education

Ph.D.	Emory University , Mathematics	Jan 2000 – present
M.S.	Emory University , Computer Science	Jan 2000 – present
Li- cense & DEUG	Université de Nice Sophia Antipolis , Math/Physics	Jan 2000 – present
Non- de- gree	Technische Universität Berlin , Graduate Studies	Jan 2000 – present

Experience

Figiri , Co-founder	Jan 2023 – present
<ul style="list-style-type: none"> Built data visualization tools for exploring LLM semantic spaces and customer journeys. Designed agent-driven analytics pipelines for real-time decision support. 	
Addix Group , AI Integration Consultant	Jan 2023 – Dec 2023
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> 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](https://medium.com/@thorwhalen)  (<https://medium.com/@thorwhalen>)

Summary

AI & 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.