Laurent **Callot**

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Summary

I lead teams working on generative AI and AI Ops at AWS AI Labs. I define the scientific and product strategy at the organization level. I have extensive experience building and managing teams of scientists, ML engineers, and managers distributed across multiple continents.

Work Experience

AWS AI Labs
Seattle, USA - Berlin, Germany

PRINCIPAL APPLIED SCIENTIST AND MANAGER — *Mar. 2020 - current*

- Science leader and manager for Sagemaker generative AI product.
- Defined the organization's strategy for AI agents and for generative AI verifiability, moderation, and trustworthiness.
- Science leader and manager for Amazon's internal tooling organization - Builder Tools.
- Defined Builder Tools' generative AI strategy. Led the development of a retrieval augmented Q&A system for builders.
- Led the development of Amazon's deployment safety system monitoring 3 million deployments monthly.
- Hired, grew, and managed teams of scientists and ML engineers distributed over 4 continents.
- Built and led the team that created and launched an AWS ML anomaly detection service from greenfield.
- Served as principal scientist for 3 other AWS ML services.

Amazon.com - Intelligent Cloud Control
Berlin, Germany

SENIOR APPLIED SCIENTIST — *Jan. 2019 - Feb. 2020*

- Science lead for a cross-functional remote team.
- Developed a new alarming system for Amazon's order rates - the company's key metric.
- Developed a policy monitoring and incentive scheme for all service owners at Amazon.

Amazon.com - Supply Chain Optimization Technology
Berlin, Germany

ECONOMIST - SENIOR ECONOMIST — *Jun. 2016 - Jan. 2019*

- Development of Neural Structural models for long-range forecasting
- Uncertainty quantification of Topline forecasts.

Danske Commodities
Aarhus, Denmark

CONSULTANT — *2013 - 2014*

- Machine Learning consultant generating price forecasts and trading strategies for the Nordic electricity spot market.

Free University Amsterdam
Amsterdam, the Netherlands

POSTDOCTORAL RESEARCHER — *2012 - 2015*

- Researcher on Econometrics and Machine Learning for time-series analysis.
- Research Fellow, the Tinbergen Institute. Junior Research Fellow, CREATES.

Skills

Management	Distributed & cross-functional teams, manager of managers, promotions and underperformance management
Hiring	100+ interviews (science, engineering, product), 15+ hires
Research	20+ publications on deep-learning, forecasting, anomaly detection, causality, statistics, econometrics.
Programming	Python, R, LaTeX, Pytorch
Languages	English (fluent), French (fluent), Danish (proficient)

Education

CREATES - Aarhus University
Aarhus, Denmark

PH.D. IN ECONOMETRICS (M.SC. 2009) — *2007 - 2012*

- Visiting Scholar, Princeton University 2011.
- Topics: Time-series, high-dimensional statistics, Machine Learning.

Paris Sorbonne University - Université Pierre et Marie Curie
Paris, France

B.SC. IN MATHEMATICS AND COMPUTER SCIENCE — *2007*

Paris Nanterre University
Paris, France

B.SC. IN ECONOMICS — *2007*