


 Barcelona • Spain 
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- **Machine Learning & MLOps** Experience in designing, building and productionizing ML models and pipelines. Mostly in the area of **Recommender Systems**.
- **Data Science** Experience in applying Machine Learning and Statistics to solve business problems.
- **Data Analytics & Data Engineering** Experience in delivering actionable insights for product development and building data pipelines.
- **Software Engineering** On one hand experience in building highly performance applications in Rust and C++. On the other hand, experience in buliding web apps (full-stack).
- **Management** Tech and Team Lead experience managing and mentoring other team members.
- **Research in Machine Learning and Data Science** Experience in leading Machine Learning and Data Science research. Co-author of three ML and DS publications.
- **Teaching** Experience of teaching and explaining Data Science, Data Management, Machine Learning and Statistics concepts for both, technical and non-technical audiences.
- Proficiency with programming languages like Python, Spark, Scala, R, SQL, Rust, C++.
- Proficiency with tools like pytorch, sklearn, Hive, Tableau.
- Experience with Docker, Kubernetes, JavaScript and Ruby.
- **PhD** in Mathematics and more than 8 years of experience as researcher.
- **Languages** Fluent: English, Spanish • Native: Polish • Basic: Russian



Meta • Barcelona • Spain

February 2022–present

**Software Engineer, Machine Learning** • Working on WhatsApp's protocol tooling mostly using **Rust** and **C++**.



Koa Health (ex Telefonica Alpha) • Barcelona • Spain

March 2019–February 2022

**Head of Personalization** • previously AI Team Lead, Senior Data Scientist • Koa Health (founded by Telefonica) is an innovation facility created to build projects which improve people's mental health and wellbeing. I lead a team that from scratch has built ML service that train and deliver ML solutions for Koa's products, like, for example, personalized recommendations for Foundations' users. Our team also provide product insights, build data pipelines, design and analyze Randomized Controlled Trials and AB Tests. We also write articles and patents. I do both, hands-on work and manage the team. Tools used include: **Python, Scala, Tensorflow, Spark, Athena, Docker, Kubernetes, AWS...**



Schibsted • Barcelona • Spain

February 2018–March 2019

**Staff Insight Analyst** • Schibsted is an international media group that is one of the world's leading online classified ads businesses. I worked with Messaging Team helping them with integrating Machine Learning/Deep Learning products, setting up experiments and providing analysis. I also designed, developed and helped putting in production NLP models. Tools used include: **Spark, Scala, Python, Amazon Redshift, SQL, Tableau, AWS...**



SCRM/Lidl • Barcelona • Spain

February 2017–February 2018

**Senior Data Scientist and Team Lead** • I worked as Data Scientist Team Lead in Lidl Plus project, a project that changes customer service and the way people do shopping in the chain of more than 10,000 Lidl supermarkets across Europe. I led a team that was setting up hypothesis-driven decision-making environment, creating recommender systems and forecasting demand. Tools used include: **Python, Hive, R, Azure...**



King (Activision/Blizzard) • Barcelona • Spain

September 2015–February 2017

**Data Scientist** • King is a successful mobile game company with around 300 million unique players every month. I participated in developing and improving Bubble Witch 2 and 3 games. My role was to perform analysis of complex scenarios, design experiments (that includes *AB Tests*), balance *Quest's*, *Liveops' and levels'* rewards and tune their difficulties, create predictive models and develop analysis strategies. Tools used include: **Python, R, Hive, SQL**.



Universitat de Barcelona – IL3 • Barcelona • Spain

2019 – 2021

**Creator and Teacher of Online Course in Advanced Analytics**



Universitat Politècnica de Catalunya • Barcelona • Spain

2017 – 2021

**Visiting Lecturer** • Teaching courses on Deep Learning, Causality and Big Data Management for Master in Statistics and Operations Research (MESIO) UPC-UB.



KSchool • Barcelona • Spain

Jan 2019 – 2020

**Teaching Spark and Machine Learning courses for Master in Data Science**



Oxfam Intermón • Barcelona • Spain

April–September 2015

**Voluntary Work for Unidad de Monitoreo y Evaluación de Campañas** • Creating web application that analyzes and visualize Oxfam Intermón campaigns on Twitter. Tools used include: **R**



Barcelona Data Science and Machine Learning Meetup • Barcelona • Spain

2015 – present

**Co-organizer** of the meetup Barcelona Data Science and Machine Learning Meetup



Clacktion • Barcelona • Spain

January–April 2015

**SEM Technologist** • Creating AdWords Campaigns. Developing software for automated control and reports in Python (Django).



Soluciones de Gestión y Apoyo a Empresas S.L. • Zaragoza • Spain

Aug 2013–Dec 2014

**Mathematical modelling in electric engineering**, • Developing web apps and reports related to electrical and logistic projects in Angola. Writing, typesetting, programming HTML5 apps for engineering journal *Soluções*. Tools used include: Ruby (RoR), JavaScript, Python, Matlab,  $\text{\LaTeX}$ .

**Ph.D. in Dynamical Systems (Maths)** Warsaw University of Technology • Warsaw • Poland 2000–2005

**M.Sc. in Mathematics Education** University of Białystok • Białystok • Poland 1997–1999

**Coursera/edX/Udacity/Udemy** 2012–present

*Deep Reinforcement Learning Nanograde, Deep Learning Nanograde, Data Science Specialization, Functional Programming in Scala, AWS Solution Architect, Machine Learning, Statistical Learning, DB Introduction to Databases, Software as a Service, Programming Languages, Computational Finance and Financial Econometrics ...*



Universidad Católica del Norte • Antofagasta • Chile

2005–2013

**Associate Professor** • Mathematical Research in Dynamical Systems and Ergodic Theory: a book and articles written, participation in international and national grands, long and short term visits in other research institutions, active participation in mathematical congresses and workshops. Teaching: graduate/undergraduate courses, thesis supervision (PhD, MSc, Bachelor). Administration: Member of Mathematical Graduate Studies Committee.



University of North Texas • Denton • USA

Jan–Jun 2009, Feb–May 2007, Sep–Dec 2003

**Visiting Professor** • Research on Dynamical Systems, taught undergraduate courses, for example, *Probability Models*

Polish Academy of Sciences • Warsaw • Poland

2004–2005

**Assistant Professor** • Research position.

DeLTA UCN • Antofagasta • Chile

2010–2013

**Professor** • Working with socially disadvantaged gifted students, course for teachers about new technologies

Université Lille 1 • Lille • France

September–November 2010

**Visiting Professor** • research on Dynamical Systems

University of Warwick • Coventry • UK

April–July 2003

**Marie Curie Scholarship** • Research on Dynamical Systems

Fac. of Mathematics and Physics, University of Białystok • Białystok • Poland

1998–2000

Assistant Professor • taught graduate and undergraduate courses

Co-author of the **book** *Distance Expanding Random Mappings, Thermodynamical Formalism, Gibbs Measures and Fractal Geometry Lecture Notes in Mathematics* Springer 2011 (with V. Mayer and M. Urbański)

Author of **articles** in mathematical journals that include *Mathematical Proceedings of the Cambridge Philosophical Society, Fundamenta Mathematicae, Indagationes Mathematicae* etc.

Active participation in international research **grants** financed by European Union, Chile or Poland

Talks at international **conferences and workshops** in USA, Germany, Poland, Chile, Bolivia

**Visiting** universities and **receiving visits** from USA, France, Poland, Chile

**Member of Organising Committee** of international and national conferences in USA, Chile, Poland, Bolivia

Education

Academic Experience