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Alpha • Barcelona • Spain

March 2019–present

Senior Data Scientist and RecSys Lead • Alpha Health (founded by Telefonica in 2016) is an innovation facility created to build projects which improve people's mental health and wellbeing. I actively participate and coordinate all phases of personalization of the products we build. This includes design, prototyping, writing production code and pipelines, monitoring, A/B testing, analyzing data and provide insights. Tools used include: **Python, Spark, Pytorch, SQL**.



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 am working with Messaging Team helping them with setting up experiments and integrating data products, providing analysis and models. Tools used include: **Spark, Scala, Python, Amazon Redshift, SQL, Tableau**.



SCRIM/Lidl • Barcelona • Spain

February 2017–February 2018

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



King (Activision/Blizzard) • Barcelona • Spain

September 2015–February 2017

Data Scientist • King is a successful mobile game company, that has more than 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**.



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**



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), Python, Matlab, L^AT_EX**.



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 grants, 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.



Programming Python, Scala, R, Spark, Hive, SQL, C, Ruby, JavaScript, Java, L^AT_EX, Emacs



Mathematics & Statistics



Languages fluent: English, Spanish • native: Polish • basic: Russian



Universitat Politècnica de Catalunya • Barcelona • Spain June 2017
Lecturer • Thought "Big Data Management with R" course on MESIO UPC-UB XI Summer School 2017. <https://mesioupcub.masters.upc.edu/en/xi-summer-school-2017>



Freelance • Barcelona • Spain April–September 2015



Independent Data Scientist/Software Developer • Collaboration on various projects that include: proposal of recommender systems for a online shop in Poland, proposals of pricing modeling.
Clacktion • Barcelona • Spain January–April 2015

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



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

Ph.D. in Mathematics Warsaw University of Technology • Warsaw • Poland 2000–2005

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

Coursera/edX/Udacity/... 2012–present

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

Author of **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



Co-organizer of meetup Grup d'estudi de machine learning de Barcelona



Co-organizer of meetup RugBcn, Barcelona R users group



Hobbies music, playing guitar/ukulele/timple, cine, hiking, travel, console/board/cards games

