

Bartłomiej Mariusz Skorulski • CURRICULUM VITAE

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Main Professional Experience



Alpha • Barcelona • Spain March 2019–present
Senior Data Scientist, AI Enablement Team 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 lead a team that prototypes and implements AI/ML/Data solutions. We have created recommender systems, Heart Rate/Breathing Rate algorithm, stress detection from app interactions, Privacy Preserving AI module and other. We also provide product insights and design and analyze Randomized Controlled Trials, AB Tests and we do causal inference. I do both, hands-on work and manage the team. Tools used include: **Python, Spark, Pytorch, SQL, MongoDB**.



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**.



SCRIM/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**.



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, \LaTeX , Emacs	Skills
x^2	Mathematics & Statistics	
	Languages fluent: English, Spanish • native: Polish • basic: Russian	
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	<i>Universitat de Barcelona – IL3</i> • Barcelona • Spain	Other Experience
	Creator and Teacher of Online Course in Advanced Analytics	
	<i>Universitat Politècnica de Catalunya</i> • Barcelona • Spain	
	Visiting Lecturer • Teaching courses on Deep Learning and Big Data for Master in Statistics and Operations Research (MESIO) UPC-UB.	
	<i>KSchool</i> • Barcelona • Spain	
	Teaching Spark and Machine Learning courses for Master in Data Science	
	<i>Freelance</i> • Barcelona • Spain	
	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.	
	<i>Clacktion</i> • Barcelona • Spain	
	SEM Technologist • Creating AdWords Campaigns. Developing software for automated control and reports in Python (Django).	
	<i>DeLTA UCN</i> • Antofagasta • Chile	Education
	Professor • Working with socially disadvantaged gifted students, course for teachers about new technologies	
	<i>Université Lille 1</i> • Lille • France	
	Visiting Professor • research on Dynamical Systems	
	<i>University of Warwick</i> • Coventry • UK	
	<i>Fac. of Mathematics and Physics, University of Białystok</i> • Białystok • Poland 1998–2000	Scientific activities
	Assistant Professor • taught graduate and undergraduate courses	
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	Ph.D. in Dynamical Systems (Mathematics) Warsaw University of Technology • Warsaw • Poland	
	M.Sc. in Mathematics Education University of Białystok • Białystok • Poland	
	Coursera/edX/Udacity/...	
	<i>Deep Reinforcement Learning Nanograde, 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 ...</i>	
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	Co-author of the book <i>Distance Expanding Random Mappings, Thermodynamical Formalism, Gibbs Measures and Fractal Geometry Lecture Notes in Mathematics</i> Springer 2011 (with V. Mayer and M. Urbański)	
	Author of articles in mathematical journals that include <i>Mathematical Proceedings of the Cambridge Philosophical Society, Fundamenta Mathematicae, Indagationes Mathematicae</i> 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	
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	Co-organizer of meetup Grup d'estudi de machine learning de Barcelona	
	Co-organizer of meetup RugBcn, Barcelona R users group	