Resume

PERSONAL INFORMATION	First name / Surname: E-mail: Homepage: Profiles:	Piotr Migdał pmigdal@gmail.com http://p.migdal.pl GitHub, StackExchange, LinkedIn	
How am I?	A data scientist (data analysis, machine learning and data visualization), with scientific background (PhD in quantum physics theory).		
EXPERIENCE	 Visiting lecturer at Imperial College Business School, London, UK Oct-Dec 2016 design and lecturing: Fundamentals of Database Technologies (MSc Business Analytics) content: relational databases with PostgreSQL, data frames in Pandas, JSON for APIs, big 		
	data with Spark and SparkSQL • Chief Data Science Instructor at de — designing workshops, creating m	aterial and being an instructor	Jul 2015–
	— lead workshops in: machine learning (scikit-learn, xgboost), data visualization (D3.js), big data (Spark), deep learning (Theano, Keras) — ticketed workshops: San Francisco, New York and London for companion, Newsgar, Intel and others		
		ta visualization , Data4Cure, LaboratoriumEE and others	Jan 2014–
	0 0	npass, San Francisco, CA, USA J oftware companies, based on a multidimension Pandas; MongoDB), data exploration (Gephi,	
RESEARCH	 Related expertise: quantum physics, statistical mechanics, graph theory, complex systems, complex networks, information theory, collective decision-making, mathematical psychology Internships at: ISI Foundation (Italy), ICFO (Spain), Univ. of Toruń (Poland), MIT (USA) Research papers: 12 publications, 10 available openly on arXiv 		
Education	ICFO - The Institute of Photonic Scien • PhD Degree, cum laude; advisor: thesis: Symmetries and self-similari	prof. Maciej Lewenstein	2011–2014
	thesis: Symmetries and self-similarity of many-body wavefunctions. University of Warsaw, Warsaw, Poland (MISMaP program) • MSc in Theoretical Physics (grade: 5/5), BSc in Mathematics (Game Theory) (grad		2005–2011 rade: 5/5)
PROJECTS, ACTIVITIES	 sociologists and psychologists Started an unconference series Offte Voluntary tutor of the Polish Child Mentor of the winners of the 21st E 	of Stack Exchange tags week training Data Analysis Summer School ir opicarium	May 2015– Mar 2015 n Python for Jul 2015– 2012– 2006– 2009 2008
Awards, Scholarships		led for startup Confrenzy	Apr 2015 Oct 2011 2007–2010 2005 2004
SKILLS		(fluent) es: Python (data science stack: Jupyter Notebo JavaScript (D3.js), R (ggplot2, dplyr, mirt, p	

MongoDB, LaTeX, Git