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). Currently focusing on image recognition with deep learning.		
EXPERIENCE	 Visiting lecturer at Imperial College Business School, London, UK Oct-Dec 2016, design and lecturing: Fundamentals of Database Technologies (MSc Business Analytication) content: relational databases with PostgreSQL, data frames in Pandas, JSON for API data with Spark and SparkSQL 		
	 Chief Data Science Instructor at deepsense.ai Jul 2015— designing workshops, creating material and being an instructor lead workshops in: machine learning (scikit-learn, XGBoost), data visualization (D3.js), big data (Spark), deep learning (Keras, Theano, TensorFlow) ticketed workshops: San Francisco, New York and London for companies: Newegg, Intel, L'Oréal, BCG and others 		
	 Freelancing in data analysis and data visualization for Startup Compass, Data4Cure, LaboratoriumEE, MediaLab Katowice and others 3DFlu – influenza visualization for CENT, University of Warsaw Data Science Intern at Startup Compass, San Francisco, CA, USA Jul-Oct 20 designing distance function for software companies, based on a multidimensional datase data processing (Python: SciPy, Pandas; MongoDB), data exploration (Gephi, D3.js) 		
	• Participated in BigDive, a 4-week lo		Oct 2012
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 Science • PhD Degree, cum laude; advisor: thesis: Symmetries and self-similarity	prof. Maciej Lewenstein by of many-body wavefunctions.	2011–2014
		Varsaw, Poland (MISMaP program) 2005–2011 Physics (grade: 5/5), BSc in Mathematics (Game Theory) (grade: 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 in opicarium	May 2015– Mar 2015 Python for Jul 2015 2012– 2006– 2009 2008
AWARDS, SCHOLARSHIPS	,	ed for startup Confrenzy	Apr 2015 Oct 2011 2007–2010 2005 2004
SKILLS		(fluent) es: Python (data science stack: Jupyter Notebo	

SciPy, Pandas, scikit-learn, XGBoost, Keras, TensorFlow), JavaScript (D3.js), R (ggplot2,

dplyr, mirt, party), SQL, MongoDB, LaTeX, Git