Resume

PERSONAL	First name / Surname:	Piotr Migdał	
Information	E-mail:	pmigdal@gmail.com	
	Homepage:	http://p.migdal.pl	
	Profiles:	GitHub, StackExchange, LinkedIn	
How am I?	A data scientist (machine learning, deep learning and data visualization), with scientific background (PhD in quantum physics theory).		
Experience	 Independent deep learning consultant — RaRe Technologies instructor - recurrent neural networks for natural language processing — Letme.ai - supervising recommendation engine design — MicroscopeIT - training and consulting in image detection and segmentation Visiting lecturer at Imperial College Business School, London, UK — Oct—Dec 2016, 2017 — design and lecturing: Fundamentals of Database Technologies (MSc Business Analytics) — content: relational databases (PostgreSQL), big data (Spark), data frames (dplyr in R) Chief Data Science Instructor at deepsense.ai — Jul 2015—Aug 2017 — lead workshops in: machine learning (scikit-learn, XGBoost), data visualization (D3.js), big data (Spark), deep learning (Keras, Theano, TensorFlow) — for companies: Newegg, Intel, BCG and others 		
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	 Data analysis and data visualization freelancer Jan 2014- for Startup Compass, Data4Cure, LaboratoriumEE, MediaLab Katowice and others 		
	— 3DFlu – influenza visualization for CENT, University of Warsaw		
		cup Compass, San Francisco, CA, USA	Jul-Oct 2013
		on for software companies, based on a multidimens	
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		ic Sciences, Castelldefels (Barcelona), Spain dvisor: prof. Maciej Lewenstein	2011-2014
		similarity of many-body wavefunctions.	
	University of Warsaw, Warsaw,		2005-2011
	• MSc in Theoretical Physics (grade: 5/5), BSc in Mathematics (Game Theory) (grade: 5/5)		
PROJECTS, ACTIVITIES	• Designing and developing Q	h Keras and king - man + woman is queen; but we wantum Game with Photons in JavaScript to one-week training Data Analysis Summer Schools	May 2015-
Awards, Scholarships	 ICFO Innovation Fund gran National Scholarship for exc Research Science Institute (Exam Data Analysis from DELab UW t awarded for startup Confrenzy eptional achievements in science Massachusetts Institute of Technology, MA, USA) tional Physics Olympiad (Pohang, South Korea)	Apr 2015 Oct 2011 2007–2010 2005 2004
SKILLS		English (fluent) hnologies: Python (data science stack: Jupyter Not	

SciPy, Pandas, scikit-learn, XGBoost, Keras, TensorFlow, PyTorch, Gensim), JavaScript

(D3.js), R (ggplot2, dplyr, mirt, party), SQL, LaTeX, Gephi, Git