## 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 optics theory).		
Experience	<ul> <li>data (Spark), deep learning (Theand — ticketed workshops: San Francisco — for companies: Newegg, Intel and</li> <li>Freelancing in data analysis and dat — for companies: Startup Compass,</li> <li>Data Science Intern at Startup Com — designing distance function for so</li> </ul>	otterial and being an instructor ing (scikit-learn, xgboost), data visualization (so, Keras) o, New York and London others a visualization  Data4Cure, LaboratoriumEE and others apass, San Francisco, CA, USA  Justiware companies, based on a multidimensional Pandas; MongoDB), data exploration (Gephi,	Jan 2014– d–Oct 2013 al dataset
RESEARCH	<ul> <li>Related expertise: quantum physics, statistical mechanics, graph theory, complex systems, complex networks, information theory, collective decision-making, mathematical psychology</li> <li>Internships at: ISI Foundation (Italy), ICFO (Spain), Univ. of Toruń (Poland), MIT (USA)</li> <li>Research papers: 12 publications, 10 available openly on arXiv</li> </ul>		
EDUCATION	<ul> <li>ICFO - The Institute of Photonic Science</li> <li>PhD Degree, cum laude; advisor: thesis: Symmetries and self-similarit</li> <li>University of Warsaw, Warsaw, Poland (</li> <li>MSc in Theoretical Physics (grade: 4)</li> </ul>	prof. Maciej Lewenstein y of many-body wavefunctions.	2011–2014 2005–2011 ade: 5/5)
TEACHING GIFTED HIGH-SCHOOL STUDENTS	measuring fractal dimension from in • Voluntary tutor of the Polish Childr		in Python,  2006– 2009
PROJECTS, ACTIVITIES	<ul> <li>Designing and developing Quantum</li> <li>TagOverflow – an interactive graph</li> <li>Designed and lead an intensive one-v sociologists and psychologists</li> <li>Started an unconference series Offto</li> <li>The head organizer of a national physical production of the prod</li></ul>	of Stack Exchange tags week training Data Analysis Summer School in picarium ysics student's conference VII OSKNF	May 2015– Mar 2015 Python for Jul 2015 2012– 2008 2006
Awards, Scholarships		ed for startup Confrenzy	Apr 2015 Oct 2011 2007–2010 2005 2004
Skills		(fluent) s: Python (data science stack: Jupyter Noteboo JavaScript (D3.js), R (ggplot2, dplyr, mirt, pa	