## Resume

Resume			
Personal	F: / / G	D: ( M: 11	
Information	First name / Surname: E-mail:	Piotr Migdał	
	Phone:	<pre>pmigdal@gmail.com +34 644 226 536 (Spanish), +48 537 459 068 (Polish)</pre>	
	Homepage:	http://migdal.wikidot.com/en	os (Folisii)
	Profiles:	GitHub, StackExchange	
	r romes. Guirub, Stackexchange		
How am I?	A data scientist (data analysis and visualization), with scientific background in quantum optics.		
EXPERIENCE	<ul> <li>Freelancing: data analysis of schools for projekt:polska, Warsaw, Poland Jan – Apr 2014 Project: Szkolomat. Data consultancy, data cleaning and merging, geocoding.</li> <li>Data Science Intern at Startup Compass Inc., San Francisco, CA, USA Jul – Oct 2013 Designing distance function for software companies, based on a multidimensional dataset. Data processing (Python: SciPy, Pandas; MongoDB), data exploration and visualization (Gephi, D3.js).</li> <li>Participated in BigDive, a 4-week long hands-on workshop in data science and big data processing, for 20 participants: Oct 2012 data visualization (Gephi, D3.js), Python and JavaScript optimization, no-SQL databases (MongoDB), Hadoop (Amazon Elastic MapReduce), machine learning, NLP, working on real Twitter data; my wrap-up presentation</li> </ul>		
To the state of th	D 1 / 1 / /		1 ,
RESEARCH	• Related expertize: quantum mechanics, statistical mechanics, graph theory, complex syttems and a single properties of the statistical mechanics, graph theory, complex syttems and a single properties of the statistical mechanics.		
	stems, complex networks, information theory, entropy, collective decision-making, mathematical psychology.		
	cal psychology • Internships at: ISI Foundation (Italy), ICFO (Spain), Univ. of Toruń (Poland), MIT (USA)		
	• Research papers: 12 publications, 10 available openly on arXiv; a video abstract for Qubism		
	• Conferences and workshops: in complex systems (e.g. ECCS2012, NetSci2011), quantum		
	optics and information (e.g. QISM2012, QCMC2012)		
	(13	<b>(</b> )	
EDUCATION		tonic Sciences, Castelldefels (Barcelona), Spain	
	Quantum Optics Theory Group,		Feb~2011-
	University of Warsaw, Warsaw		2005 – 2011
	- · · · - ·	ram), Theoretical Physics, thesis, grade: 5/5	Jan 2011
	• Bachelor's Degree, Mathemat	tics (Game Theory), thesis, grade: 5/5	Sept 2009
TEACHING	• Courses on quantum masks	nice and cruntography simulating social phenomer	ng in Duthan
TEACHING GIFTED	• Courses on: quantum mechanics and cryptography, simulating social phenomena in Python, measuring fractal dimension from images, Fourier analysis and waves		
High-School	• Voluntary tutor of the Polish		2006-
STUDENTS	· ·	21st European Union Contest for Young Scientists	
	• Memor of the winners of the	2150 European Chion Contest for Total Scientists	2003
Projects,	• Started an unconference serie	es Offtopicarium	Jan 2012–
ACTIVITIES	• Designing an educational qua	antum game, with ICFO and CosmoCaixa	Mar~2012-
	• Co-founder of Confrenzy — a	a website listing scientific events M	[ar 2011–2012
	• Co-organized 6th and 7th Su	mmer Scientific Schools	2010 – 2011
	• The head organizer of a nation	onal physics student's conference VII OSKNF	2008
	• Founded a student's associate	on SKFiz UW	2006
	TOPO T		Q
AWARDS,	• ICFO Innovation Fund grant	· ·	Oct 2011
SCHOLARSHIPS	- ·	the Foundation for Polish Science	2010
		eptional achievements in science	2007-2010
		Massachusetts Institute of Technology, MA, USA)	2005
	• Scholarship of the Polish Chi		2003-2005
	• Bronze Medal in the Internat	cional Physics Olympiad (Pohang, South Korea)	2004

SKILLS

- Languages: Polish (native), English (fluent)
- Programming languages/technologies: Python, JavaScript, Mathematica, LaTeX, Gir