Rafał R. Szymański

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EDUCATION

Imperial College London, London, UK   2009-2013
- ◇ Graduated from a four year Bachelors and Masters of Engineering in Computer Science program with First class honours.
- ◇ Entered the department in the top 6 out of more than 100 students and received a prize because of my International Baccalaureate exam results (43/45, 693 UCAS Tariff).
- ◇ First place in the Orbis Challenge 2011 for creating a Tetris AI
- ◇ Modules: Discrete Maths, Logic, Databases, Computer Architecture, OO Programming, Operating Systems, Networks, Algorithms, Statistics, Compilers, Functional Programming, Logic Programming, AI, Chaos, Linear Optimization, Network Security, Machine Learning, Modal Logic, Knowledge Representation, Software Verification, Neural Computation, Philosophy
- ◇ Large projects: Compiler, parts of an OS, real-time web game in node.js, Twitter aggregator and sentiment analyser
- ◇ Thesis: *Solving optimisation problems and k-SAT using dynamical systems.* Thesis received First class mark. Link: `http://rafal.io/static/rszymanski_thesis.pdf`
- ◇ Activities: Finance Society, Investment Club, Entrepreneurs Society, Dance, IBM University Business Challenge team leader

International School of Brussels, Brussels, Belgium   Until 2009
- ◇ International Baccalaureate (IB) programme - 43/45 points; top 0.4% percent worldwide

WORK EXPERIENCE

Software Engineer, Facebook, New York City, USA   October 2014-current
- ◇ Working in Objective-C on Messenger, Facebook, and Pages Manager iOS applications.

Software Engineer Intern, ClassDojo, Palo Alto and San Francisco, USA   April-September 2012
- ◇ iOS and node.js development. Created Classdojo's iOS app which has over 100,000 downloads, and amounts for around 40-50% of Classdojo usage. 4.5 rating on AppStore (link: `http://goo.gl/HnZNi`)

Undergraduate Teacher Assistant, Imperial College London, London, UK   2011-2012
- ◇ Leading tutorial sessions and marking homework for first year students in *Logic* and *Reasoning About Programs*

Volunteer, Seedcamp, London, UK   September 2011
- ◇ Worked with Seedcamp for 1 week to ensure the Seedcamp Week event ran smoothly

Summer Analyst: Technology, Morgan Stanley, London, UK   June - September 2011
- ◇ Working with Sybase in the backend, and creating a frontend in C#. Worked in the Index Structured Electronic Trading group, and was rated very highly upon finishing my internship.

Software Tester, Insight Software, London, UK   June 2010
- ◇ Helped in beta testing a new product, *Insight*, which is a software businesses use to analyse expenditures and finances

Summer Intern in IT/IS Department, AstraZeneca plc, Uccle, Belgium   July 2008, July 2009
- ◇ Helped with tasks such as the visual design and debugging of internal web applications, eLearning material design, or moving the old Intranet to a new Intranet Content Management System. Was described as the best and most knowledgeable student intern the office had.

COMPUTER SKILLS

- ◇ **Programming**: Java, Python, Javascript, Haskell, C, C++, Objective-C, Ruby, Prolog, PHP, SQL
- ◇ **Software**: Various IDEs (Eclipse, NetBeans, Visual Studio). Proficient with the terminal / command-line (vim, ssh, zsh, bash, git, tmux and many other tools). Can use all OS's, Mac OS, Linux distros (Arch,Ubuntu), or Windows. Know design software like Photoshop, Illustrator, After-Effects, Premiere-Pro, LaTeX.
- ◇ **Web Development**: Can design valid XHTML Web 2.0 pages, use javascript tools (jQuery). For dynamic sites, I can use PHP, Python Django, Node.js, or Ruby on Rails.
- ◇ **Theory**: Interested in solving algorithmic problems such as those from projecteuler.net (Currently solved about 70 problems).

OTHER INTERESTS AND ACTIVITIES

- ◇ **Business & Entrepreneurship**: Team leader in IBM University Business Challenge - more than 1500 students compete in managing a business. We got to the semi-finals. Part of Imperial Entrepreneurs. Follow startup/tech blogs, attend events such as Silicon Valley Comes to Cambridge. Attended an exclusive European IT Business Course in Berlin, organised by the Boston Consulting Group.
- ◇ **Languages**: *Fluent*: English, Polish. *Good*: French, *Conversational*: Spanish
- ◇ **Reading**: Mainly non-fiction. Enjoy mathematical/philosophical books, eg. "Gödel, Escher, Bach", "Fermat's Last Theorem"