JOSEPH BOYD

PERSONAL INFORMATION

Born in United Kingdom, 04 August 1989

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CURRENT POSITION

Oct 2016- PhD Student, Institut Curie/École Nationale Supérieure des Mines de Paris — Paris

MINES Machine learning for multi-cell line screening. Applications of bioimage informatics for automatic image analysis of fluorescent microscopy over various cancer cell lines for triple negative breast cancer.
Reference: Dr. Thomas WALTER · +33 6 49 98 72 08 · thomas.walter@curie.fr

WORK EXPERIENCE

Feb-Jul 2015 Master Thesis Student, CERN — Geneva

CERN Application of machine learning techniques for metadata extraction of PDF articles in the INSPIRE-HEP digital library (cds.cern.ch/record/2039361).
Reference: Dr. Gilles LOUPPE · +41 779 953 433 · g.louppe@cern.ch

Jul-Sep 2014 Summer Intern, United Nations International Computing Centre — Geneva

UNICC Survey, design and configuration of management "dashboard" using business intelligence (BI) softwares.
Reference: Mr. Djamel KACEL · +41 229 292 573 · kacel@unicc.org

2010-2013 Graduate Mathematician, AECOM — Brisbane

AECOM Programmer and analyst for discrete-event simulation models of rail, shipping, and other supply chain systems at *Fortune 500* consultancy firm. Key Projects included Port of Gladstone Capacity Analysis for Gladstone Port Corporation (GPC) (2010-2013), Gold Coast Commonwealth Games Demand Forecasting Study for Queensland Government Department of Transport and Main Roads (TMR) (2012), Surat Basin Rail (SBR) Early Contractor Involvement (ECI) review (2012). Extra-curricular: organised, presented a series of "Excel Excellence" seminars.
Reference: Dr. Paul CORRY · +61 431 868 127 · paul.corry@aurecongroup.com

EDUCATION

2013-2015 MSc Computer Science, École Polytechnique Fédérale de Lausanne — Lausanne

EPFL GPA: 5.43 (6)
Thesis: *Automatic Metadata Extraction – The High Energy Physics Use Case*
Description: Completed range of core computer science courses with a leaning towards subjects relating to data science. Graduated October 3, 2015.
Advisor: Dr. Martin RAJMAN · +41 216 938 162 · martin.rajman@epfl.ch

2007-2010 BSc Maths/IT, Queensland University of Technology — Brisbane

QUT GPA: 6.375 (7) · *With Distinction* · *Minor in Software Architecture*

Description: Dean's List Award 2008, Head of School's Award for Excellence in Mathematics 2008, and Dean's Merit Award 2008, 2009, and 2010.

SKILLS

Computing   C++, LaTeX, Linux, MATLAB, PYTHON, R

Language   English (native), French (intermediate)

INTERESTS

I enjoy reading and writing about topics in computer science and mathematics. I maintain my own set of notes on machine learning, along with some code over at github.com/jcboyd/lastchancestats. I also enjoy learning new technologies. Samples of my tinkering can be seen on my GitHub profile.