

Edouard FOUCHÉ

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Computer scientist specialized in Data Science, graduating in Oct. 2016

Summary

I am a french engineer pursuing a master's degree in Computer Science at the Karlsruhe Institute of Technology (KIT), in Germany. I also hold an engineering degree (equivalent to M.Sc.) from ESIEE Paris. I am currently preparing a master thesis at IBM in the area of Knowledge Discovery. I am especially interested in advancing my skills in these fields: Data Mining, Artificial Intelligence, and Cloud Computing.

Education

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|------------------|---|
| 2013-2016 | M.Sc. in Computer Science at Karlsruhe Institute of Technology (KIT)
With an emphasis on Cognitive Systems and Machine Learning
Expected graduation October 2016 |
| 2010-2015 | M.Sc. in Engineering at ESIEE PARIS
IT program, First in my class
Graduated with highest honours and special distinction |
| 2010-2013 | B.Sc. in Mathematics/Computer Science at Paris-Est MLV University
Graduated with highest honours |
| 2007-2010 | High school Notre-Dame Providence, Enghien-les-Bains, France
High school diploma with highest honours |

Background

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| From 04/16 to now: | Working Student at IBM Deutschland |
| From 04/16 to now: | Teaching Assistant - Data Mining Lab - at KIT |
| From 10/15 to 04/16: | Master Thesis at IBM Deutschland |
| From 10/15 to 03/16: | Teaching Assistant - Customer Relationship Management - at KIT |
| From 04/15 to 10/15: | Business Analytics Intern at IBM Deutschland
Creation and development of the open-source Python package ibmdbpy. This is a Python interface for data manipulation and in-database algorithms in IBM dashDB and IBM DB2. Ibmdbpy accelerates Python analytics using in-database performance-enhancing features such as columnar store and parallel processing. <ul style="list-style-type: none">• <i>Publication in the proceeding of LWA 2015, workshop KDML</i> |
| From 05/14 to 08/14: | Big Data Research Assistant at KIT
Assisting Big Data Research Team in the field of climatology. Developing tools for extracting metadata from NetCDF files, using Python and MongoDB. Deploying Web Processing Services on Ubuntu. Administration of scientific websites with OpenText. |
| From 07/12 to 09/12: | Summer job as IT analyst developer - GDF SUEZ ENERGIES SERVICES
Development of internal software for Business Intelligence to help business decision-making process, based on indicators and dashboards. Design and development of UI, using Oracle Forms and PL/SQL language. |

Skills

Languages:	French - Native speaker English - Full professional proficiency German - Full professional proficiency Currently learning Spanish	
Computer programming:	Python, R, SQL Java, C, C#	(Good knowledge) (Prior Experience)
Web development:	HTML, CSS PHP, JavaScript	(Good knowledge) (Prior Experience)
Software Engineering:	Project management & Agile Methods (SCRUM)	
Familiar with:	Adobe suite, IBM SPSS, Putty, Git, Windows, Linux	
Other:	Algorithmics, Data Mining, Machine Learning, Cloud computing Management of Innovation, Customer Relationship Management	

Project & Activities

2015: Member of the group "Machine Learning Karlsruhe"

2014: DATA MINING CUP

Each year about 100 educational institutions from over 25 countries take part in the DATA MINING CUP competition, which is organized by Prudsys AG, one of the leading data mining companies. In context of a practical course at KIT ("Analyzing Big Data") I participated in a team of master's students at KIT in this contest and reached the second place worldwide.

2013: SPOT'N'FLASH

Developing a "Cloud" platform, whose aim was to further human contact between people. I managed a team of seven people to develop a first working version of our product in three months using agile methods. We developed a complete web interface (using the PHP Framework Symphony2) and three native mobile apps for iPhone, Android and Windows Phone.

2010 - 2013: Founder of ESIEE Photographic Club

Honors & Awards

2015 - Outstanding International Academic Career - "Parcours d'excellence" ESIEE PARIS 2015

2014 - DATA MINING CUP 2014, Prudsys AG: 2nd place worldwide

2012 - Descartes Photographic Campus Contest: 1st place

2011 - Best Management Project – ESIEE PARIS

Personal interests

Piano, guitar, silver and digital photography, traveling, trekking, conferences

Photo gallery: <http://www.flickr.com/edouardf/>

LinkedIn: <http://lnkd.in/VHbFKj>

More information about me → <http://edouardfouche.com>