
FABIEN RICHARD-ALLOUARD

Computer Science Engineer, specialized in Data Science and Business Intelligence

Hi! I am passionate about business management, and more specifically by how to leverage data to drive business decisions and create monetizable knowledge. I am creative, technical, with analytical ability and I enjoy teamwork.

EXPERIENCE

Comlinkdata Montreal, Canada - 2015 current	Software Engineer and Data Specialist for real time market data analysis <ul style="list-style-type: none">• designed fast and reliable data processes• gathered requirements• implemented scalable ETLs• wrote tests and documentation	<ul style="list-style-type: none">• designed and built testing framework• led our partnering team located in India• presented findings to the company• using Python, SQL, Hadoop, AWS
Graphic Era Dehradun, India - 2014	Internship on protein interaction prediction <ul style="list-style-type: none">• research on feature subset selection• compared classification algorithms	<ul style="list-style-type: none">• extracted data from biological datasets• using R, Weka and RSES
Orange Nantes, France - 2013	Research on recommender system <ul style="list-style-type: none">• built Java tool to visualize item proximity	<ul style="list-style-type: none">• used recursive approach
BullsEye Maryland, USA - 2012	Internship on inventory management system <ul style="list-style-type: none">• developed VB.net barcode scanner software	<ul style="list-style-type: none">• performed database migration

EDUCATION

Polytech Nantes Engineering School Nantes, France - 2015	BS and Master's in Computer Science engineering, specialized in Data Science <ul style="list-style-type: none">• Statistics, Data Analysis, Machine Learning• Software Programming	<ul style="list-style-type: none">• Business Intelligence, Economics• Project Management, Communication
ETS Montreal Engineering School Montreal, Canada - 2014	Exchange program in Computer Science engineering <ul style="list-style-type: none">• Software Architecture, Software Design• Database, Business Intelligence	<ul style="list-style-type: none">• Software Profitability Analysis• International Engineering Projects

SKILLS

Programming	Python, SQL, Java , C++, parallel computing (multiprocessing, Hadoop), Linux
Data science	R, Pandas , Numpy, SciKit-learn, Statsmodels, Excel, Tableau, Weka and RSES
Databases	PostgreSQL (+Redshift), Microsoft SQL Server, MySQL and Oracle
Tools	Amazon Web Services , Git, Atlassian Suite and Slack
Languages	Fluent in French (native) and English (TOEIC 990/990)
Web Technologies	HTML, PHP, JavaScript, d3.js, CSS, JSON, XML, Angular.js, REST

ADDITIONAL

Technical	• reviewer for the book "R for BI" by J. Gendron • 1 st prize of data journalism competition
Community	• member at La Gare coworking space • building app for travelling students in my free time
Leadership	• elected student at Polytech education board • international relations at Polytech student union
Sports	• regularly participating in races and trails, including triathlons
Culture	• travelled to Europe, Africa, America and Asia