

# Alexandre CORTYL

COMPUTER ENGINEER • DATA SCIENTIST

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**Objective:** Seeking challenging opportunities, to make a difference using my technical, analytical and managerial skills. I'd love to work in an innovative environment, focusing on business oriented problematics.

## Academic

University of Technology of  
Compiègne (UTC), France



2011 - 2016

Engineer in Computer Science - Data Mining  
2016

Erasmus Exchange Program in Istanbul, Turkey

Lycée Français de Singapour

2011

Scientific Baccalaureate (with distinction)

English Language and Literature IGCSE

2009

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## Courses taken

- Data Science Specialization MOOC by Johns Hopkins University, USA
- Data Mining with Weka MOOC by The University of Waikato, New Zealand
- Data Structures and Algorithms
- Architecture of Data Base Systems
- Stochastic processes
- Graph Theory in Computer Science
- Decision Theory & Machine Learning

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## Skills

### • Technical

R • SQL • Python • Statistics • MapReduce  
Tableau • Grafana • Weka • Gephi • Teradata Tools  
SVM • Logistic Regression • Decision Tree • KNN  
Oracle • MySQL • Hadoop • Hive • Vertica  
HTML • CSS • API • JavaScript • jQuery • PHP

### • Personal

Project manager • Dynamic  
Rigorous • Organized  
Setting high standards in every task

### • Language

English – Bilingual (European level C2)  
Mandarin – Correct level (European level B1)  
Spanish – Notions (European level A1)  
French – Native speaker

## Experiences

Criteo - Data Analyst



Since February 2017

I'm in charge of the Capacity Planning project:

- Datacenter monitoring
- Traffic forecasting
- RTB-related analysis & Fraud investigation

<http://www.criteo.com/>

Criteo - Data Analyst Intern



August 2016 to February 2017

I was part of the Product Analytics Team that sits between the Business and Engineering groups.

<http://www.criteo.com/>

Teradata - Data Warehouse project



August 2015 to February 2016

Worked with Teradata on a retail dataset

- Building of the Data Warehouse with Aster
- Analysis with Teradata Studio (SQL & MapReduce)
- Visualization with AppCenter & Gephi

<https://ic05-picasso.herokuapp.com/>

Amadeus - Data Analyst Intern



February to July 2015

Intimate knowledge of airfare data content in order to improve Flight Search process

- Data Mining (Hadoop, Apache Hive)
- Machine Learning (SVM, DT, NN, BN)
- Data Analysis (R, Python)

<http://www.amadeus.com/>

Student Union President



February 2014 to February 2015

- Coordinating the activities of close to 100 associations
- Annual budget of € 1.5 million

<http://assos.utc.fr/>

Microsoft Student Partner



October 2013 to May 2014

- Workshops around Microsoft technologies
- Trainings to the Microsoft environment

<https://msdn.microsoft.com/microsoftstudentpartners>