



http://www.utc.fr/the_university/index.php

CORTYL Alexandre

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Objective: Computer Engineer in Data Science, Machine Learning and Data Mining looking for an apprenticeship to **apply technical knowledge, learn and practice** in a professional context.

Academic

University of Technology of Compiègne (UTC)

2011 - 2016

Engineer in Computer Science - Data Mining

Lycée Français de Singapour

2011

Scientific Baccalaureate (with distinction)

English Language and Literature IGCSE

2009

University projects

• Databases project: Veterinarian website Modeling, implementation of an online management system of customers, appointments, prescriptions and invoices

PHP & PostgreSQL

• OOP Project: UTPProfiler - Choice of courses **UML** design, use of many **Design Patterns** in **C++** using **Qt Creator**

<https://github.com/cortylal/UTProfiler>

• Website project: Creation of a website for a researcher in Biological Engineering

HMTL/CSS/PHP

<https://suppliver.bmbi.utc.fr/>

Skills

• **Technical**

R • Python • C • C++ • Lisp

Data Science • Machine Learning

Oracle • SQL • Hadoop • Hive

HTML • PHP • CSS • JavaScript

• **Languages**

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

Courses taken

- Data Science Specialization MOOC by Johns Hopkins University (USA)
- Data Mining with Weka MOOC by The University of Waikato (NZ)
- Data Structures and Algorithms
- Statistical Methods for Engineers
- Architecture of Data Base Systems
- Operational Research
- Combinatory Optimization

Experiences

amadeus

Amadeus - Data Science Internship

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/>



President of the largest student federation of associations in France: Student Union - UTC

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 in the UTC

October 2013 to May 2014

- Workshops around Microsoft technologies
- Trainings to the Microsoft environment

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

THALES

Thales Singapore – Internship

February 2012

Thales at the Singapore Air Show 2012

<https://www.thalesgroup.com/en/>

• **Personal**

- Project management • Dynamic
- Rigorous • Organized
- Setting high standards in every task