

INFORMATION

Compiègne, France
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SKILLS

Data Science
Web development
Software engineering

IT LANGUAGES

Proficient
Python · Javascript · C/C++ · SQL · HTML & CSS · PHP · Git
Familiar
R · Java · Ruby on Rails · Objective-C

MOOCs

Deep Learning @Coursera
Full specialization of deeplearning.ai, by Andrew Ng. DNN · CNN · RNN · Structuring ML projects · Hyperparameter tuning and optimization

Machine Learning @Coursera
Introduction to *machine learning*, by Andrew Ng, Stanford University. Regression · Classification · Supervised & Unsupervised learning

R Programming @Coursera
Introduction to R basis, by Johns Hopkins University. Control structures & functions · Loops · Simulation

VOLUNTEERING

Hostel crew member
Crew member in Irish hostel. Volunteer work against bed and food. Multicultural experience. 2 months, 2016.

Co-founder Data Science club
Co-founder of the Data Science student club at UTC. Feb 2017 - now.

Head of IT team
Manager of 3 developers to carry out a web & mobile project, at Find'UTC, student organization. 6 months, 2015.

LANGUAGES

French Native
English Professional, TOEFL 102
Spanish Good, European level B2
Chinese Beginner, 200 characters

INTERESTS

Sport Rowing, crossfit, weightlifting
Travelling Work/education/holidays
History China, Middle East
Meetups ML/DL, Data Science, AI

Sylvain Marchienne

COMPUTER SCIENCE STUDENT

Computer Science student, Machine Learning enthusiast, seeking to get involved in ambitious projects using state-of-the-art Artificial Intelligence methods.
Future Georgia Institute of Technology graduate student in CS/ML (by 2019).

EXPERIENCE

Feb 2018 - Apr 2018

DATA SCIENTIST

Psyche Research, part-time position

- Computer vision (object detection, anomaly detection)
- Backend development (APIs, databases, web applications)

Deep Learning · Python · Tensorflow · Keras · Scikit-Learn · Jupyter Notebooks · AWS · Django

Feb 2017 - Aug 2017

MACHINE LEARNING INTERN

craft ai, 7 months

Worked in partnership with the City of Paris and Suez on a predictive solution to improve waste collection management in Paris.

- Supervised learning for regression and classification
- Clustering algorithms on Paris city streets
- Designed backend for preprocessing, training and validating models
- Designed real-time service application
- Wrote technical articles for the company's blog
- Speaker at the Paris Intelligence Artificielle Meetup #3.

Machine Learning · Python · Pandas · Matplotlib · Scikit-Learn · Jupyter Notebooks · Nodejs · Redis · Docker · AWS · S3 · craft ai API

Anomaly detection with DL

Implementation of anomaly detection estimators in Tensorflow for computer vision tasks. **Deep Learning · Tensorflow · One Class SVM**

Urban Data hackathon Shanghai

Developed a ML-based tour guide, inferring best places to visit from social networks data. Won the Data Analysis award. **ML · Spatial clustering**

Startups data visualization

Web scrapping, analysis and graph visualization on data about startups created by UTC students. **Gephi · Laravel Framework**

Scientific calculator software

Development of a scientific calculator for computing and variables-programs manipulation using Reverse Polish Notation. **C++ · Qt · Design Patterns**

Javascript webapp

Designed a webapp to manage the UTC's Fablab: users, machines, payments, tasks. **AngularJS · Laravel Framework · SQL · MVC · REST**

iOS application

Application about shop reviews from students. Designed iOS app and remote backend. **Objective-C · Google Maps SDK · REST · PHP · SQL · Bootstrap**

PROJECTS

EDUCATION

2013 - Present

UNIVERSITY OF TECHNOLOGY OF COMPIÈGNE, FRANCE

Master of Science - MS, Computer science

Computer science with data science specialization. Current GPA 3.36/4. TOEFL iBT 102. Graduation expected in 2019 September.

Sept 2017 - Jan 2018

SHANGHAI UNIVERSITY, CHINA

Master of Science - MS, Computer science

Exchange semester studying machine learning, chinese language and history, project management and leadership.

Sept 2015 - Jan 2016

UNIVERSITAT ROVIRA I VIRGILI, SPAIN

Bachelor of Science - BS, Computer science

Exchange semester studying programming, math and statistics.