

Compiègne, France
sylvain.marchienne@gmail.com
(+33) 6 64 72 39 61
sylvainmarchienne.fr
linkedin.com/in/sylvainmarchienne
github.com/sylvainma
medium.com/@sylvainma

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.

Georgia Institute of Technology graduate student in CS/ML (by Jan. 2019)
Looking for a 6-month internship starting May 2019.

ORGANIZATION



Co-founder and President

DataVenture is a student organization which promotes Data Science & AI through conferences & tech workshops. www.dataventure.fr

IT LANGUAGES

Proficient

Python · Javascript · R · SQL · HTML & CSS · PHP · Git

Familiar

C/C++ · Java · Ruby on Rails · Objective-C

ONLINE COURSES

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**

VOLUNTEERING

Hostel crew member

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

Head of IT team

Manager of 3 developers to carry out a web & mobile project, at FindUTC, student organization. *6 months, 2015.*

LANGUAGES

French Native

English Professional, TOEFL 102

Spanish Good, European level B2

Chinese Beginner, 200 characters

INTERESTS

Sport Rowing, running, crossfit

Travelling Work/education/holidays

Interculturality and openness

Communication public speaking

Writing Blogs (e.g Medium articles)

EXPERIENCE

Feb 2018 - Apr 2018

DATA SCIENTIST

Psyche Research, part-time position, 3 months

Participated in innovative projects for industrial clients.

- Computer vision (object detection, anomaly detection)

- Backend development (APIs, databases, web applications)

Deep Learning · Tensorflow · Keras · Scikit-Learn · 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 · Time Series · Pandas · Matplotlib · Scikit-Learn · Jupyter Notebooks · Nodejs · Redis · Docker · AWS · S3 · craft ai API

EDUCATION

2019 - 2020

GEORGIA INSTITUTE OF TECHNOLOGY, FRANCE-USA

Master of Science, Computer science

Computer Science with Machine Learning specialization.

2013 - 2018

UNIVERSITY OF TECHNOLOGY OF COMPIÈGNE, FRANCE

Master of Science, Computer science

Computer science with Data Science specialization. GPA 3.52/4.

Sept 2017 - Jan 2018

SHANGHAI UNIVERSITY, CHINA

Exchange semester, International Engineer program

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

Sept 2015 - Jan 2016

UNIVERSITAT ROVIRA I VIRGILI, SPAIN

Exchange semester, Computer science

Exchange semester studying programming, math and statistics.

Anomaly detection with Deep L.

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

Won Data Analysis award

Developed a ML-based tour guide, inferring best places to visit from social networks data. Urban Data Hackathon in Shanghai. **ML · Spatial clustering**

Javascript webapp

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

Sales predictions with Machine L.

Model training and software implementation for sales prediction of all products sold in a bar. **ML/DL · Time Series · Data Visualization**

Scientific calculator software

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

iOS application

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

PROJECTS