
A French Machine Learning Enthusiast experienced in utilizing data to build systems that help people in their everyday lives. Passionate about research and seeking to deploy my skills in the field of Machine Learning.

TECHNICAL SKILLS

Languages: Python, Go, C, C++, Scala, JavaScript, HTML5, CSS3

Frameworks/Libraries: Scikit-learn, Panda, Numpy, Keras, TensorFlow, jQuery, Node.js, Express.js

Other: Machine Learning, Git/GitHub, LaTeX, Agile Software development, Consulting

PROJECT EXPERIENCE

Visual Question Answering - <https://github.com/Twice22/VOA>

December 2017 - January 2018

- Replicated the results from this paper: <https://arxiv.org/pdf/1505.00468.pdf>
- Achieved the same performances as described in the paper

American Sign Language Recognizer - github.com/Twice22/ASL-Recognizer

March 2017

- Developed a HMM-based American Sign Language Recognizer
- Achieved 36% WER using a dataset of only 140 samples

Stanford Projects - github.com/Twice22/CS231n-solutions github.com/Twice22/CS224n-solutions

February - May 2017

- Studied Deep Learning using materials freely available from Stanford University
- Finished all the assignments and provided detailed descriptions on my [blog](#)

WORK EXPERIENCE

Sinequa Machine Learning Engineer [NLP]

Paris, France | April 2018 - September 2018

- Implemented a neural network to detect topical trends [1] over time in TensorFlow
- Implemented the [ExpandRank](#) algorithm in a distributed fashion using Scala/Spark
- Improved the model from the paper: LSTM, Batch Normalization, Distributed computation, Custom gradients
- Improved the training phase velocity and report an [issue](#) in TensorFlow

Capgemini [Client: PSA] - FullStack Developer

Paris, France | February 2015 - April 2017

- Designed new functionalities and enhanced UX/UI of the PSA B2B websites
- Improved response time by 100% and ROI by 7%

EDUCATION

ENS Paris-Saclay - **Master MVA** (Now interning at [Sinequa](#))

September 2017 - September 2018

Udacity - [Artificial Intelligence Nanodegree](#)

February 2017 - August 2017

Stanford - [Convolutional Neural Network](#) & [Natural Language Processing](#)

February 2017 - May 2017

Coursera - [Machine Learning](#), Probabilistic Graphical Model 1 & 2

2016 & 2017

Télécom SudParis - Engineer's Degree

2015

Classe préparatoire aux grandes écoles MPSI/MP*

2012

LANGUAGES

French: Native

English: Professional level

Chinese: Learning