



Matthieu Vilain

Machine Learning Student

8 rue Adolphe Chauvin
95300 Pontoise
FRANCE

+33 651 117 033
mattvilain@gmail.com

20 years old

Web : mattvil.github.io

GitHub : MattVil

Driving permite

Centrer of interest

- Jujitsu - Judo
- Chess - Competition
- Handball – Competition
- Movies

Academic interest

- Artificial Intelligence
- Robotics
- Sciences

Competencies

- Creative
- Hard working
- Sociable
- Organized
- Proactive

Education



2017 - 2018 • Third year of Master's degree in Computer Science, University of Cergy-Pontoise (UCP), France.

- CMI class (Cursus Master of Engineering), standard curriculum + additional courses of communication, team work, entrepreneurship ...
- Specialization : smart and communicating systems

2014 - 2017 • Independent learning - MOOCs

- **[Completed]** Creation of a technological Start-Up , Polytechnique and HEC
- **[In progress]** Deeplearning, Google
- **[Partially completed]** Introduction to Artificial Intelligence, S.Thrun & P.Norvig
- **[Partially completed]** Learning how to learn, MIT

2014 - 2015 • Completed high-School degree in St-Grégoire School, Tours, France

English

Current – C1

Linguistic travels : Dublin – London

German

Current – B2

Linguistic travels : Berlin, Cologne and Bonn

Experiences



August 2017 • Summer job in Dexia bank, Paris, FRANCE

- Administrative support

July 2017 • Entrepreneur – Worked with a start-up focusing on computer vision

- Recognition of « dice game » – Python – Image processing – Clustering algorithm – CNN with Theano – image database creation – optimization for real time

June 2017 • Internship, ETIS laboratory, Cergy-Pontoise, France

- Research subject : Machine learning application - C language - neural network from scratch - CNN with Tensorflow – Biblio - Test on MNIST (image database)

2016-2017 • Treasurer, robotics club of the University of Cergy-Pontoise

- Participation of the french cup of robotics 2017

June 2016 • Internship, ETIS laboratory, Cergy-Pontoise, France

- Research subject : Algorithm resolving the maximal sub-matrix problem» - C implementation– image processing application

My school projects

- **[Completed]** Urban life game and simulator using reinforcement learning, won a place on the hall of fame of UCP
- **[Completed]** Simulation of start-up creation
- **[In progress]** Password manager using face recognition

My personal projects

- **[Completed]** AI algorithm implementation from skartch (Q-Learning, A*, neural network)
- **[Completed]** Image processing of the robot for the french cup of robotics
- **[Completed]** Color tracking in video stream

Computer science skills



Programming

- C : advanced level
- Java : advanced level
- Android : good level
- Python : good level
- HTML – CSS – PHP : good level
- Arduino : beginner level

Linux and Windows environnement

Knowledge on network

Knowledge on database SQL

Microsoft office