

Marc Moreaux

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EDUCATION

AALBORG UNIVERSITY

M.SC IN MACHINE LEARNING
 June 2015 | Aalborg, DK

ECE PARIS

ENG. IN COMPUTER SCIENCE
 June 2014 | Paris, FR

COURSEWORK

GRADUATE

Deep Learning
 Advanced Machine Learning
 Advanced Algorithms
 Advanced Programming
 Web Engineering
 Operating systems
 Unix Tools and Scripting

UNDERGRADUATE

Introduction to Machine Learning
 Introduction to Algorithms
 Functional Programming
 OO programming
 Linear Algebra
 Statistics

SKILLS

PROGRAMMING

Over 5000 lines:
 C • Java • Python • \LaTeX
 Over 1000 lines:
 C++ • Shell • Matlab • Android
 Familiar:
 LUA • MySQL • PHP • CSS

SPOKEN LANGUAGES

French
 Mother tongue
 English
 3 years studying in English
 Spanish
 Lived 4 years in Spain

LINKS

Github:// [marc-moreaux](#)
 LinkedIn:// [marc.moreaux](#)
 Blogspot:// [rememberthecmd](#)

EXPERIENCE

THALES COMMUNICATION | CONTINUOUS INTEGRATION DEPLOYER

May 2013 – July 2013 | Paris, FR

- Deploy a solution (Jenkins) to automate the program builds.
- Upgrade Eclipse 3.2 RCP product to Eclipse 3.7 Headless build.

ECE PARIS | C LANGUAGE ASSISTANT TEACHER

Sep 2012 – May 2013 | Paris, FR

- Assist a teacher and give class in informatics lab.
- Help student in algorithmic and in developing (2h/week)

SEABIRD | WEB DEVELOPER (SELF-EDUCATED)

May 2012 – July 2012 | Paris, FR

- Development of their web site in relation with a web designer.
<http://www.seabird-consultants.fr/>
- Implementation of a web-interface used to register potential employees in a database.

E-SIDOR | JAVA DEVELOPER (SELF-EDUCATED)

June 2011 – Aug 2011 | Paris, FR

- Creation of an app recognizing faces on a picture. And able to place emotions on the face (smiley)
- Implementation of a daemon recognizing simple movements of the hand in front of the webcam..

RESEARCH

ALDÉBARAN & LAAS | PHD IN HUMAN ACTION RECOGNITION

Jan 2016 – Jan 2019 | Paris & Toulouse, FR

Started a thesis with a CIFRE contract linking a research laboratory (LAAs) and an engineering company (Aldébaran) to realise a thesis : "Audio-visual perception for recognition of human activities and object affordances for assistant robots" #CNN, #RNN

AALBORG UNIVERSITY | MASTER THESIS IN MACHINE INTELLIGENCE

Sep 2015 – June 2016 | Aalborg, DK

Continue research based on existing papers about adversarial-learning in Neural-Networks. Pin-point weaknesses in Neural-Nets trained on graphic datasets and propose an alternative to these.

AALBORG UNIVERSITY | STUDENT PROJECT

Jan 2013 – Jun 2013 | Aalborg, DK

Down grade transfer-learning methods applied to high-quality EEG headsets to consumer grade EEG headsets.

AWARDS AND INTEREST

- 2014 Member of BEST: organize summer courses in Aalborg
- 2013 Vice-president at JBTV : Numeric association of ECE Paris (50+ members).
 Photo, Video and Live streams.
- 2012 Third price in an ECE contest for developing a hand motion recognition with webcam (C, OpenCV).