Hadrien Glaude

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EDUCATION

UNIVERSITY OF LILLE
PhD in Computer Science
2012 - Expected January, 2016

GEORGIA TECH
MSc in Computer Science
2010 - 2012, Atlanta, GA, USA
Cum. GPA: 3.8/4.0

SUPÉLEC
Engineering Degree
Major in Interactive Systems and Robotics
2008 - 2011, Gif-sur-Yvette, France

COURSEWORK

GEORGIA TECH
CS-7641 Machine Learning
CS-6601 Artificial Intelligence
CS-6505 Computability & Algorithms
CS-7631 Multi-Robots

SUPELEC
Speech Processing
Reinforcement Learning
Autonomous Robotics
Machine Learning
Statistical Learning

SKILLS

PROGRAMMING
Over 5000 lines: C\ C++ • Python • Matlab
Java • PHP • Caml • Scala • LaTeX
Over 1000 lines: Javascript • CSS • HTML
Familiar: Prolog • MySQL

LANGUAGE
French: mother tongue
English: fluent
Japanese: beginner

LINKS

SOCIAL NETWORKS
LinkedIn: **hglaude**
Google Scholar: **Hadrien Glaude**

REFERENCES
PhD advisor : **Pr. Olivier Pietquin**
GRA Supervisor : **Pr. Yi-Chang James Tsai**

RESEARCH

SEQUEL TEAM, CRYSTAL LAB | PhD candidate
September 2012 – Present | University of Lille, France
- designed new algorithms, based on spectral learning to learn stochastic processes and probabilistic finite automaton
- proved theoretical guarantees though finite sample analysis
- achieved state of art performances on public benchmarks

GEOGRAPHIC INFORMATION SYSTEMS CENTER
Graduate Research Assistant
January 2012 – September 2012 | Georgia Tech, Atlanta, GA
- wrote surveys and research proposals on detection and recognition of traffic signs
- designed new algorithms for raveling, rutting and cracks detection for pavement distress management from 3D road profiles

SUPELEC | Research project
January 2011 – May 2011 | Metz, France
- developed a non parametric approach to reinforcement learning
- accessed performances on toys problem

EXPERIENCE

UNIVERSITY OF LILLE |Teaching Machine Learning to Master Students
21 hours, Spring 2015 | University of Lille, France
- wrote syllabus, course materials and tutorials

THALES | PhD fellowship
October 2012 – September 2015 | Paris, France
- worked on learning scanning strategies through the frequency spectrum to intercept radar emissions or electronic warfare
- filed a patent (WO2015049107 A1)

PUBLICATIONS

2015 Hadrien Glaude, Cyrille Enderli, Olivier Pietquin
Spectral Learning with Non-Negative Outputs for Finite State Automaton, ASRU

2015 Hadrien Glaude, Cyrille Enderli, Olivier Pietquin
Non-negative Spectral Learning for Linear Sequential Systems, ICONIP

2015 Hadrien Glaude, Cyrille Enderli, Olivier Pietquin
Learning of Scanning Strategies for Electronic Support using Predictive State Representations, MLSP

2014 Hadrien Glaude, Cyrille Enderli, Jean-François Grandin, Olivier Pietquin
Subspace Identification for Predictive State Representation by Nuclear Norm, ADPRL

2011 Hadrien Glaude, Fadi Akrimi, Matthieu Geist, Olivier Pietquin
A Non-Parametric Approach to Approximate Dynamic Programming, ICMLA

EXTRACURRICULAR ACTIVITIES

Rugby 8 years, started in Middle School, fifth at the national competition
Comics organization (volunteer) of a french comics festival in 2009 ~ 1500 visitors
Travel visited many countries on the 5 continents, 2 month summer job in Japan