Ahmed El Rheddane

Ph.D. in Computer Science

Work experience

MAY 2016 – PRESENT
My Panda, Grenoble, France
Research and Development Engineer

– Design and implementation of a resilient back-end using Docker and Python Flask

– Retrieval and analysis of geotagged open data and tweets

JANUARY 2016 – APRIL 2016
LIG Laboratory, Grenoble, France
Postdoctoral Researcher

– Optimization of Apache Storm's load balancing using a locality-aware strategy

FEBRUARY 2015 – DECEMBER 2015
Orange Labs, Grenoble, France
Postdoctoral Researcher

– Integration of an elasticity decision module to an in-house application platform

– Evaluation of the scalability of a telecom multi-tier application

– Validation of the new application platform using a realistic use-case

OCTOBER 2011 – FEBRUARY 2015
LIG Laboratory, Grenoble, France
Ph.D. in Cloud Computing

– Design, implementation and validation of horizontal elasticity for Joram messaging topics and queues, and the Apache Storm stream processing engine

– Automatic deployment in different private and public cloud infrastructures

– Redaction of multiple academic papers presenting the results

– Teaching of various subjects: operating systems design, databases, networking, distributed applications

FEBRUARY 2011 – JUNE 2011
Inria, Grenoble, France
M.Sc. Project

– Design and implementation of an elastic consolidation tool in a virtualized environment running Xen

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Education

2015 **Ph.D. in Computer Science**
ELASTICITY IN CLOUD COMPUTING
University of Grenoble, France

2011 **M.Sc. in Computer Science**
DISTRIBUTED SYSTEMS
Grenoble INP – Ensimag, France

2011 **Engineering Degree (M.Sc.)**
SOFTWARE ENGINEERING
Grenoble INP – Ensimag, France

Communication skills

ARABIC	Native speaker
FRENCH	Bilingual
ENGLISH	Full proficiency
GERMAN	Intermediate ($\sim$ B2)
SPANISH	Intermediate ($\sim$ B2)

Technical skills

TOPICS	Machine Learning
	Distributed Systems
	Cloud Computing
	Big Data Stack
LANGUAGES	**Java, Python,** C, C++, Bash, SQL
PLATFORMS	Apache Spark, Apache Storm

Interests

– Learning new languages

– Self-teaching piano

– Playing tennis

– Singing with the Rainbow Swingers choir