

# Keren A. Ouaknine



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**Cell** +972 55 66 15 165      94229 Jerusalem  
**Date of birth** 11/09/1980      Israel

## EDUCATION

- 2010 – pres. Ph.D candidate, Computer Science at the Hebrew University, Jerusalem**  
Distributed Systems lab, supervisor Scott Kirkpatrick  
**Research interest:** Optimize Hadoop scheduling according to cluster heterogeneity: network, hardware. Benchmark Hadoop (data distribution, job execution, task failures).  
Framework: LAWA project (Longitudinal Analytics of Web Archive) to allow TBs of web archive data to be processed on a heterogeneous cluster.
- 2005-2007 M.Sc. in Computer Science at the Hebrew University, Jerusalem**  
Parallel Computing Lab, supervisor Dror Feitelson.
- 2001-2004 B.Sc in Computer Engineering at the Polytechnique School of Nice Sophia Antipolis, France**  
One year exchange program at the Technion, Israel (final year)
- 1999-2000 Diploma in Computer Science and Science at the Nice University, France (MIAS)**

## INDUSTRY EXPERIENCE

- Nov-Feb 2012 HPCC Systems, LexisNexis**  
Performance benchmarking of HPCC and Hadoop. Analysis and comparison of architectures.  
Working on adding performance to the Machine Learning library for HPCC Systems
- 2007-2010 Software Engineer at Intel Jerusalem**  
SW development of the Active Management Technology (AMT) and vPro provisioning services  
Main programming languages : C++ / C#  
Acquired strong programming skills and knowledge in networks, security, database, GUI
- 2003 Internship at FORMAT COMMUNICATIONS, Paris.**  
Working on the installation of a new call center based on VoIP technology

## ACADEMIC WORK

- 2005-06 Hebrew University, Jerusalem.**  
TA for the Functional Programming course. Conducting lectures and handling exercise
- 2005-06 Middle East Education through Technology (M-E-E-T), Jerusalem.**  
Computer Science teacher and project mentor. Main languages: Java and SQL  
In cooperation with MIT

## PUBLICATION

**MASCOTS 2007:** “Reducing Performance Evaluation Sensitivity and Variability by Input Shaking”  
**Master thesis** on performance evaluation of job schedulers.  
Presented poster on master work at the Hebrew University.

## SCOLARSHIP

Google Europe Anita Borg Scholarship, 2007.  
Participated at the Anita Borg retreat in Orlando, US.

Google Travel Grant, March 2012  
FLOSS UK, Edinburgh. Open Source Systems.

## **UNIVERSITY PROJECTS**

**Spring 2005 Performance of peer-to-peer algorithms – Hebrew University**  
Implementation and comparison of peer to peer algorithms with high resilience adeptness

**Winter 2003 ESSITALKS (ICQ tool) – Polytechnique of Nice-Sophia Antipolis**  
Communication project enabling the exchange of messages and files over the network of the university

## **COMPUTER SKILLS**

**Programming Languages:** Java, C#, C++, Scheme, Perl, Fortran

**Web and Storage:** HTML, CSS, JS, AJAX

**Operating system :** Windows & Linux

## **LANGUAGES**

**French and Hebrew:** Mother tongue

**English:** Excellent

Recommendations available upon request