

Kéren-Audrey Ouaknine

GENERAL INFORMATION

Citizenship: French and Israeli
kereno@gmail.com, www.kereno.com

EDUCATION

Ph.D. in Computer Science, 2010-2017

Optimization of Big Data Systems, advisor Prof. Scott Kirkpatrick
Hebrew University, Jerusalem

M.Sc. in Computer Science, 2007

Performance Evaluation at the Parallel Computing Lab, advisor Prof. Dror Feitelson
Hebrew University Jerusalem

B.Sc in Computer Engineering, 2004

Polytech Nice Sophia, France
Exchange year at the Technion, Israel

PUBLICATIONS

IEEE Big Data 2017 BPOD, Boston MA

"A Performance Study of AsterixDB" / Keren Ouaknine, Prof. Michael Carey

ICCD 2017, Lakeland FL

"Optimization of RocksDB for Redis on Flash" / Keren Ouaknine, Oran Agra, Zvika Guz

Big Data Congress 2015, Manhattan NY

"The PigMix Benchmark on Pig, MapReduce, and HPC Systems" Keren Ouaknine, Prof. Michael Carey and Prof. Scott Kirkpatrick

EXPERIENCE

Lecturer at IDC Herzelya, 2017 - present

Topic: Databases & Big Data Platforms

Redis Labs, 2016 - present

Senior Big Data Architect. Managing large-scale performance projects for Redis on Flash.

TAVtech Chief Instructor, 2015 - present

Big Data topics: SQL & NoSQL
Hadoop, Pig, Hive, Spark, Kafka, Graph Databases, Visualizations, Cloud Tech

CS Research Scholar at the University of California, Irvine, 2013-15

Development and optimization of AsterixDB

EMC Herzelya, 2012

Unification of optimization Pig and Hive based on Algebricks (internship).

HPCC Systems, RELX Group Florida, 2011

Performance Analysis of HPCC Systems.

Intel, Jerusalem, 2007-10

Software Engineer. Software Development of AMT (Active Management Technology), vPro provisioning services.

Lecturer at the Hebrew University 2005-2006

Functional Programming course. Conducting lectures and handling exercises/exams

Teacher and Project Mentor 2005 - 2006

Computer Science teacher and project mentor. Main language: Java
Middle East Education through Technology (M-E-E-T) in collaboration with MIT.

Master thesis: Performance evaluation of job schedulers

MASCOTS 2007, Istanbul Turkey

”Reducing Performance Evaluation Sensitivity and Variability by Input Shaking”

LANGUAGES

French: Native tongue

English: Excellent **Hebrew:** Excellent

HONORS AND
AWARDS

Google Europe Anita Borg Scholarship, Zurich 2007

Google Travel Grant, March 2012

FLOSS UK. Open Source Systems, Edinburgh.

SKILLS

Programming Languages: Java, C++, Scheme, Perl, Python.

Operating Systems: Linux & Windows.

Big Data: Cloud Tech, Hadoop, Spark, Pig, Hive, AsterixDB, HPCC, Machine Learning

RECOMMENDATION **LinkedIn:** <https://www.linkedin.com/in/kereno>