

Zacharias (Harry) Chasparis

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EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE

M.S. IN COMPUTER SCIENCE

(master out of my PhD program)

June 2018 | Riverside, CA

Field: Database Systems

Department of Computer Science

UNIVERSITY OF ATHENS

B.Sc. IN COMPUTER SCIENCE

June 2015 | Athens, Greece

Department of Informatics &

Telecommunications

LINKS

LinkedIn:// zachariaschasparis

TECHNICAL SKILLS

PROGRAMMING LANGUAGES:

Java • Python • C • C++ • Prolog •
Bash & C Shell

PROGRAMMING PARADIGMS:

Procedural • Object-Oriented •
Logic

DBMS LANGUAGES & USAGE:

SQL • MySQL • QBE

BIG DATA PLATFORMS

Spark • Hadoop • AsterixDB

SYSTEM PROGRAMMING:

Portable Unix Programming
(POSIX) • Linux

PARALLEL PROGRAMMING:

POSIX Processes/Threads

ASSEMBLY LANGUAGES:

MIPS

OPERATING SYSTEMS:

Linux • Windows • Mac OS •
Android (mobile)

OTHER:

UML • OpenGL • \LaTeX

COURSEWORK

System Programming • Advanced
Database Systems • Advanced
Computer Architecture • Data
Mining • Information Retrieval •
Cloud Computing • System Analysis
• Compiler Construction

WORK EXPERIENCE

ADARA, INC | SOFTWARE ENGINEER

July 2018 – present | Palo Alto, CA

- Software Engineer on the Data Science team

UNIVERSITY OF CALIFORNIA, RIVERSIDE | RESEARCH ASSISTANT

September 2016 – June 2018 | Riverside, CA

- Spatial trend discovery on microblogs (*Master Thesis*)
 - Dynamic system for in-memory support of spatial trend discovery on microblogs regardless of the data uncertainty [implementation in Java (≈ 7000 loc)]
- Selectivity estimation on Big Spatial Data (*published paper at GeoRich 2017*)
 - Implementing and experimentally evaluating and comparing the most used techniques for selectivity estimation in big spatial data on Apache Spark [implementation in Java (≈ 3000 loc)]

WRIGHT STATE UNIVERSITY | RESEARCH ASSISTANT

June 2015 – May 2016 | Dayton, OH

- Synthesis of Security Methodologies
 - Formalizing with Petri Nets the enhancement to the AMYNA project of CART lab with intelligent synthesis to be able automatically produce new and improved security combinations

UNIVERSITY OF ATHENS | UNDERGRADUATE RESEARCH

June 2014 – May 2015 | Athens, Greece

- Range Partitioning of Datasets with Histograms (*B.Sc. Thesis with Prof Yannis E. Ioannidis*)
 - Extending EXAREME system of Madgik Lab with Range Partitioning algorithm with Histograms based on Scott's normal reference rule [implementation in Java (≈ 500 loc) and Python (≈ 1000 loc)]

PRIVATE TUTOR

September 2009 – May 2014 | Athens, Greece

- Extra teaching support for students of ages 12-18

PUBLICATIONS

EXPERIMENTAL EVALUATION OF SELECTIVITY ESTIMATION ON BIG SPATIAL DATA

in GeoRich 2017 | by Harry Chasparis & Ahmed Eldawy

TEACHING

UNIVERSITY OF CALIFORNIA, RIVERSIDE

CS014 - Introduction to Data Structures and Algorithms
(Fall 2017, Winter & Spring 2018)

AWARDS

Travel Student Award for ACM SIGSPATIAL 2017	2017
Gerondelis Fellowship for Greek graduate students in the US	2017
Dean's Distinguished Fellowship from UCR	2016
Graduate Research Assistantship from Wright State University	2015
Greek Swimming Champion	1998-2003