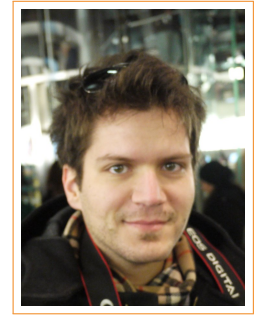


Georgios Giannikis

Curriculum Vitae



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Info

Date of Birth 19.08.1982

Nationality Greek

Swiss Permit B

Education

- 2009 – Now **ETH Zurich, PhD Candidate**, Department of Computer Science, Systems Group.
Topic: “Work Sharing Data Processing Systems”.
Advisor Professor: Gustavo Alonso. Co-advisor Professor: Donald Kossmann.
Expected PhD Defense Date: 20th June, 2014.
- 2007 – 2009 **ETH Zurich, Master of Science in Computer Science**.
Master Thesis Topic: “Daedalus: A Distributed Crescendo System”.
Supervising Professor: Gustavo Alonso.
- 2000 – 2006 **University of Patras, Greece, Diploma in Electrical & Computer Engineering**.
Major in Computer Science. Diploma Thesis Topic: “Optimization of Cache Memory Arrays using Cache Decay Techniques”. Supervising Professor Stefanos Kaxiras.
- 2000 **Graduate of the Greek High School**.

Experience

- 2009 – Now **ETH Zurich, Research & Teaching Assistant**, Zurich, Switzerland,
Department of Computer Science, Systems Group.
Research Topics: Distributed Systems, Database Design, Systems Design & Architecture,
Systems on Cloud, Data Processing, Systems on Modern Hardware.
Teaching Topics:
 Parallel Programming, ETH Zurich, Department of Computer Science, 2014
 Advanced Systems, ETH Zurich, Department of Computer Science, 2010–2013
 Operating Systems and Networks, ETH Zurich, Department of Computer Science,
 2010, 2013
- 2011 **Amazon.com, Software Development Engineer Intern**, Seattle WA, USA.
Topic: “Amazon’s DynamoDB”. Responsible for the storage layer of DynamoDB.
- 2009 **Amadeus IT Group, Software Development Engineer Intern**, Sophia Antipolis,
France. Department of Development, Reservation & Distribution. Responsible for the design
and implementation of a new database engine for airline passenger data.
- 2000 – 2006 **University of Patras, Research Assistant**, Greece.
Department of Mechanical Engineering & Aeronautics, Lab for Manufacturing Systems &
Automation. Development of international & EU projects. Web programming using .NET,
J2EE, Oracle Forms and BPEL.

Patents

- August 2012 **United States Patent and Trademark Office, US/2012/0197868/A1**
Topic: “Continuous Full Scan Data Store Table And Distributed Data Store Featuring Predictable Answer Time For Unpredictable Workload”.
- March 2011 **World Intellectual Property Organization, WO/2011/023651/A1**
Topic: “Segmented main-memory stored relational database table system with improved collaborative scan algorithm”.

Publications

- 2014 **Shared Workload Optimization**
Proceedings of the VLDB Endowment, vol. 7, no. 6.
- 2013 **Workload Optimization using SharedDB**
Proceedings of the 2013 ACM SIGMOD International Conference on Management of Data.
- 2012 **SharedDB: Killing One Thousand Queries With One Stone**
Proceedings of the VLDB Endowment, Vol. 5, No. 6.
- 2010 **Crescendo**
Proceedings of the 2010 ACM CSIGMOD International Conference on Management of Data.
- 2009 **Daedalus: a Distributed Crescendo System**
Department of Computer Science, ETH Zurich, Switzerland.
- 2009 **Predictable Performance for Unpredictable Workloads**
Proceedings of the VLDB Endowment, vol. 2, no. 1.

Computer Skills

Operating Systems

Windows (*excellent*), Linux (*excellent*), HP-UX (*excellent*), SGI-Unix (*good*).

Programming Languages

Java + JNI (*excellent*), C/C++ (*excellent*), PHP (*excellent*), Python (*good*), Visual Basic/C++/J# (*good*).

Web Programming

3 years hands-on experience on .NET, J2EE, Oracle Forms, Web Services, BPEL.

Language Skills

English: Excellent, Holder of Michigan Proficiency Certificate (C2).

German: Good, Holder of Zertifikat Deutsch (B1).

French: Few.

Greek: Mother Tongue.

Distinctions

- 2007 ETH Zurich, Excellence Scholarship for Master Programme.
- 1997 10th Prize at the National Greek Mathematics Competition.

Interests and Hobbies

Photography, Basketball, Skiing, Travelling, Computer Games, Logical Puzzles.

References

Available upon request.