



Antonis Katsarakis

Computer Scientist

- 4 November 1994
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About me

Technology is my passion. I am intrigued by puzzles and always excited to amplify my knowledge in diverse subjects like science, biology, neurology, math and technical things. I chose to study Computer Science, at the University of Crete. In parallel with my Bachelor studies, I was also working as a Research Assistant. Currently I am pursuing my PhD in Pervasive Parallelism at the University of Edinburgh. In my own time, I enjoy swimming, listening to audiobooks and music.

Other Skills

- C
- C++
- Bash
- Java
- Python
- Spark
- Hadoop
- Systems
- Unix/Linux
- Networking
- Software Engineering
- Software Define Networks
- Computer Architecture

Research Interests

My broad interests include systems, networking, data analytics and computer architecture. Currently, my research is focused on redesigning distributed memory systems exploiting high-end datacenter networks (e.g. RDMA).

Education

- since 2016 Ph.D. candidate in Pervasive Parallelism The University of Edinburgh
Sponsored by *Microsoft Research & EPSRC*
Supervised by *Boris Grot*
- 2016-2017 M.Sc. in Pervasive Parallelism (1st class) The University of Edinburgh
Thesis: *"Symmetric Caching: Exploiting Skew for High Performance Data Serving"*
- 2012-2016 B.Sc. in Computer Science (Grade: 9.16/10) University of Crete
Supervised by *Angelos Bilas*
Thesis: *"Design, Implementation and Performance Analysis of a Multi-threaded Application for Stock Exchange Trading System"*

Publications

- Eurosys '18 Scale-Out ccNUMA: Exploiting Skew with Strongly Consistent Caching
A. Katsarakis, V. Gavrielatos, A. Joshi, N. Oswald, B. Grot, V. Nagarajan

Experience

- since 2017 Teaching Assistant / Demonstrator / Marker The University of Edinburgh
Courses: "Extreme Computing", "Computer Architecture", "Introduction to Computer Systems"
- Jan - Jul '16 Undergraduate Research Assistant FORTH
High-Performance stock trading system for Athens Stock Exchange
- Sep-Dec '15 Undergraduate Teaching Assistant University of Crete
Course: "Introduction to Computer Science"
- Jun-Aug '15 Research Internship in Big Data Acceleration ICS-FORTH
Optimize the data access in Big Data systems (Hadoop, Spark, HBase)
- Jun-Dec '14 Undergraduate Research Assistant FORTH
Web interface for Cluster Monitoring using Nodejs, jQuery and HTML5.

Honors & Awards

- Oct 2016 Microsoft Research PhD Fellowship
Microsoft Research
- Sep 2016 Pervasive Parallelism CDT Award
Engineering and Physical Sciences Research Council (EPSRC)
- Jul-Aug '16 Research Fellowship
Foundation for Research and Technology - Hellas (FORTH)
- Jul 2016 High Graduation Rank
BSc in Computer Science, at University of Crete
Ranked 2nd among the graduates.
- 2013,'14,'15 Distinguished Undergraduate Scholarship - "Orfanoudakis"
Foundation for Research and Technology - Hellas (FORTH)
Top 3 students of the year in Computer Science department.
- Jul 2013 Distinguished Undergraduate Scholarship - "Karidi"
Computer Science Department, University of Crete
Highest entrance marks in Computer Science department.
- Sep 2012 Greek National Scholarship - "IKY"
High grades on greek national exams.