

Vasilis Verroios

Gates Computer Science, 353 Serra Mall, Stanford, CA 94305
verroios@stanford.edu • +1 (650) 7964636 • <http://stanford.edu/~verroios/>

EDUCATION

Stanford University

- Ph.D. candidate, Computer Science 2012 – June 2017 (expected)
 - Advisor: Hector Garcia-Molina

University of Athens, Greece

- M.S. in Computer Science 2006 – 2008
 - Thesis: Adaptive Navigation of Vehicles in Congested Road Networks
 - Advisor: Alex Delis
 - First among the M.S. graduates of year 2007-2008, department-wise.
 - GPA: 9.69 / 10.00

University of Athens, Greece

- B.S. in Computer Science 2002 – 2006
 - Thesis: Algorithms for Dense Subgraph Problems
 - Advisor: Stavros Kolliopoulos
 - First among the B.S. graduates of year 2005-2006, department-wise.
 - GPA: 9.17 / 10.00

RESEARCH

EXPERIENCE

InfoLab, Stanford University

- Graduate Student Researcher 2012 – Present
 - Combining Algorithms and Humans for Large-Scale Data Integration

DMX, Data Management, Exploration and Mining group, Microsoft Research

- Research Intern Jun 2015 – Sep 2015
 - Design and prototype implementation of an interactive data analytics tool, providing users recommendations for finding insights in data.
 - Advisors: Kaushik Chakrabarti, Bolin Ding, Surajit Chaudhuri

Upwork Research, Upwork (formerly Elance-oDesk)

- Research Intern / Data Scientist Jun 2013 – Sep 2013
 - Developed models, algorithms, and tools for finding groups of clients with similar preferences and behaviors.
 - Advisors: Panagiotis Papadimitriou, Ramesh Johari

WORK

EXPERIENCE

MaDgIK, Management of Data, Information & Knowledge Group, University of Athens

- Software Engineer / Research Staff 2008 – 2012
 - Projects: [gCube](#), [D4Science](#), [iMarine](#), [EarthServer](#)
 - Design and Implementation of distributed-search and declarative-query engines over structured and semi-structured data.
 - Other responsibilities: database administration, system integration, and software documentation standards.

RESEARCH

INTERESTS

- Data Management
 - Data Integration
 - Data Analytics
 - Data Mining
- Machine Learning
- Human-Computer Interaction
- Distributed Systems
- Ubiquitous/Pervasive Computing
- Cloud Computing

PUBLICATIONS

CONFERENCES

- [1] V. Verroios, H. Garcia-Molina, and Y. Papakonstantinou, “Waldo: An Adaptive Human Interface for Crowd Entity Resolution,” *ACM International Conference on Management of Data, SIGMOD*, 2017, *To Appear* .
- [2] V. Verroios, P. Papadimitriou, R. Johari, and H. Garcia-Molina, “Client Clustering for Hiring Modeling in Work Marketplaces,” *ACM International Conference on Knowledge Discovery and Data Mining, KDD*, 2015 .
- [3] V. Verroios, P. Lofgren, and H. Garcia-Molina, “tDP: An Optimal-Latency Budget Allocation Strategy for Crowdsourced MAXIMUM Operations,” *ACM International Conference on Management of Data, SIGMOD*, 2015 .
- [4] V. Verroios and H. Garcia-Molina, “Entity Resolution with Crowd Errors,” *IEEE International Conference on Data Engineering, ICDE*, 2015 .
- [5] V. Verroios and M. S. Bernstein, “Context Trees: Crowdsourcing Global Understanding from Local Views,” *AAAI Conference on Human Computation and Crowdsourcing, HCOMP*, 2014 .
- [6] K. Tsakalozos, V. Verroios, M. Roussopoulos, and A. Delis, “Time-Constrained Live VM Migration in Share-Nothing IaaS-Clouds,” *IEEE International Conference on Cloud Computing, CLOUD*, 2014 .
- [7] V. Verroios, C.R. Vicente, and A. Delis, “Detecting Hazardous Vehicles and Disseminating their Behavior in Urban Areas,” *IEEE International Conference on Mobile Data Management, MDM*, 2012 (*short paper*) .
- [8] V. Verroios, V. Efstathiou, and A. Delis, “Reaching Available Public Parking Spaces in Urban Environments using Ad-hoc Networking,” *IEEE International Conference on Mobile Data Management, MDM*, 2011, **Runner-up for Best Student Paper** .
- [9] V. Verroios, K. Kollias, P. K. Chrysanthis, and A. Delis, “Adaptive Navigation of Vehicles in Congested Road Networks,” *ACM International Conference on Pervasive Services, ICPS*, 2008.

UNDER REVIEW

- [10] V. Verroios and H. Garcia-Molina, “Top-K Entity Resolution with Adaptive Locality-Sensitive Hashing” .

JOURNALS

- [11] H. Garcia-Molina, M. Joglekar, A. Marcus, A. Parameswaran, and V. Verroios, “Challenges in Data Crowdsourcing,” *IEEE Transactions on Knowledge and Data Engineering, TKDE*, 2016 .
- [12] K. Tsakalozos, V. Verroios, M. Roussopoulos, and A. Delis, “Live VM Migration under Time-Constrains in Share-Nothing IaaS-Clouds,” *IEEE Transactions on Parallel and Distributed Systems, TPDS*, 2017.

WORKSHOPS

- [13] V. Verroios, C.R. Vicente, and A. Delis, “Alerting for Vehicles Demonstrating Hazardous Driving Behavior,” *ACM International Workshop on Data Engineering for Wireless and Mobile Access, MobiDE@SIGMOD*, 2012 .

PATENTS

- Vasilis Verroios, Ramesh Johari, and Panagiotis Papadimitriou 2015
An Apparatus, System and Method of Clustering Clients based on their Hiring Criteria in a Job Marketplace.
Upwork Inc.
U.S. patent application

**TEACHING
& MENTORING**

- Teaching Assistant, Stanford CS347, Parallel and Distributed Data Management
Instructor: Brian F. Cooper Spring 2015
- Teaching Assistant, Stanford CS347, Parallel and Distributed Data Management
Instructor: Hector Garcia-Molina Spring 2014
- Research Mentor, Jonathan Swenson, undergraduate student, Stanford University 2014
With Jonathan we worked on a system for predicting the outcome of events
(e.g., sports games) using predictions from the crowd.
- Research Mentor, Vasilis Efstathiou, graduate student, University of Athens 2011
With Vasilis we worked on a peer-to-peer parking-space-finder application.

**HONORS
& AWARDS**

- Runner-up for Best Student Paper, MDM 2011
- 1st among the M.S. graduates of year 2007-2008 (GPA 9.69/10) 2008
Computer Science Department, University of Athens
- Scholarship by Bodossaki Foundation for M.S. studies 2006 – 2008
- 1st among the B.S. graduates of year 2005-2006 (GPA 9.17/10) 2006
Computer Science Department, University of Athens
- Scholarship by Greek National Scholarship Foundation 2004 – 2005
For ranking 1st in the 3rd year of my B.S. studies.
Computer Science Department, University of Athens
- Scholarship by Greek National Scholarship Foundation 2003 – 2004
For ranking 2nd in the 2nd year of my B.S. studies.
Computer Science Department, University of Athens
- Scholarship by Greek National Scholarship Foundation 2002 – 2003
For ranking 1st in the 1st year of my B.S. studies.
Computer Science Department, University of Athens
- Second Place in greek national essay competition 2002

[CV compiled on 2017-05-25]