

# Alkis Gkotosvos – Curriculum Vitae

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## Education

- 2013 – 2018 PhD in Computer Science  
*ETH Zurich*  
*Advisor: Prof. Andreas Krause*
- 2011 – 2013 MSc in Computer Science (*WITH DISTINCTION*)  
*ETH Zurich*
- 2005 – 2011 Diploma in Electrical and Computer Engineering (*SUMMA CUM LAUDE*)  
*National Technical University of Athens*
- 1999 – 2005 Experimental Music High School of Pallini, Athens

## Peer-reviewed Publications

- A. Gotovos, H. Hassani, A. Krause, and S. Jegelka. “Discrete Sampling using Semigradient-based Product Mixtures”. In *Conference on Uncertainty in Artificial Intelligence (UAI)*. 2018.
- A. Gotovos, S. H. Hassani, and A. Krause. “Sampling from Probabilistic Submodular Models”. In *Neural Information Processing Systems (NIPS)*. 2015.
- Y. Sui, A. Gotovos, J. W. Burdick, and A. Krause. “Safe Exploration for Optimization with Gaussian Processes”. In *International Conference on Machine Learning (ICML)*. 2015.
- A. Gotovos, A. Karbasi, and A. Krause. “Non-monotone Adaptive Submodular Maximization”. In *International Joint Conference on Artificial Intelligence (IJCAI)*. 2015.
- L. Heng, A. Gotovos, A. Krause, and M. Pollefeys. “Efficient Visual Exploration and Coverage with a Micro Aerial Vehicle in Unknown Environments”. In *International Conference on Robotics and Automation (ICRA)*. 2015.
- G. Hitz, A. Gotovos, F. Pomerleau, M.-E. Garneau, C. Pradalier, A. Krause, and R. Siegwart. “Fully Autonomous Focused Exploration for Robotic Environmental Monitoring”. In *International Conference on Robotics and Automation (ICRA)*. 2014.
- A. Gotovos, N. Casati, G. Hitz, and A. Krause. “Active Learning for Level Set Estimation”. In *International Joint Conference on Artificial Intelligence (IJCAI)*. 2013.
- M. Christakis\*, A. Gotovos\*, and K. Sagonas. “Systematic Testing for Detecting Concurrency Errors in Erlang Programs”. In *International Conference on Software Testing, Verification and Validation (ICST)*. 2013.
- A. Gotovos, M. Christakis, and K. Sagonas. “Test-driven development of concurrent programs using Concuerror”. In *ACM SIGPLAN Erlang Workshop*. 2011.

\*: Authors in alphabetical order.

## Student Supervision

- 2014 Master's semester project  
*Topic: A Smartphone App for Active Sensing, Steering and Information Gathering*  
*Students: Diego Ballesteros and Sevgi Kaya*
- 2016 MSc thesis (co-supervised with Sebastian Tschiatscheck)  
*Topic: Probabilistic Modeling of City-scale Image Collections*  
*Student: Diego Ballesteros*
- 2017 MSc thesis (co-supervised with Sebastian Tschiatscheck)  
*Topic: Learning Distributions over Sequences of Items*  
*Student: Aleksandra Klimkina*
- 2018 Master's semester project  
*Topic: Learning Discrete Distributions using Generative Adversarial Networks*  
*Student: Dimitrios Koutsoukos*
- 2018 Master's semester project (co-supervised with Josip Djolonga)  
*Topic: Supervised and Unsupervised Learning via Inference in Spanning Tree Models*  
*Student: Calin Cruceru*

## Teaching Activities

- Spring 2014 Teaching Assistant, Computational Intelligence Lab, ETH Zurich
- Fall 2014 Head Teaching Assistant, Probabilistic Artificial Intelligence, ETH Zurich
- Spring 2015 Teaching Assistant, Learning and Intelligent Systems, ETH Zurich
- Fall 2015 Teaching Assistant, Data Mining, ETH Zurich
- Spring 2016 Teaching Assistant, Learning and Intelligent Systems, ETH Zurich
- Fall 2016 Teaching Assistant, Probabilistic Artificial Intelligence, ETH Zurich
- Spring 2017 Teaching Assistant, Learning and Intelligent Systems, ETH Zurich
- Fall 2017 Head Teaching Assistant, Probabilistic Artificial Intelligence, ETH Zurich
- Fall 2018 Teaching Assistant, Probabilistic Artificial Intelligence, ETH Zurich

## Reviewing Activities

- Conferences NIPS, ICML, IJCAI, AAAI, KDD
- Journals JMLR, JRSS

## Prizes and Awards

- Sep '13 ETH Medal for outstanding MSc thesis.
- Jun '11 Graduated from NTUA ranked 4th among approx. 450 students of my class.
- Jun '07 State Scholarships Foundation award for ranking 1st in the year among approx. 450 students of my class.
- Jun '07 Papakyriakopoulos award for excellence in Mathematics.