

Yonatan Naamad

PERSONAL INFORMATION

Location: Sunnyvale, CA
Mobile: 617-543-2068

WWW: www.yonatan.us
E-mail: me@yonatan.us

EDUCATION

Princeton University, Princeton, New Jersey, USA

Ph.D. Computer Science (Theory), 2017

- Advisor: Moses Charikar
- Research area: Theory of Algorithms
- Thesis title: *Hardness from Densest Subgraph Conjectures*
- 2 years spent as visiting student at Stanford University

M.A. Computer Science (Theory), 2013

- Advisor: Moses Charikar

Rensselaer Polytechnic Institute, Troy, New York, USA

M.S. Applied Mathematics, 2011

- Advisor: Peter Kramer

B.S. Computer Science and Mathematics, 2011

- Summa Cum Laude

APPOINTMENTS

Amazon.com, Inc.

Applied Scientist

- Emerging Devices
- Core Machine Learning / AWS AI Lab

June 2018 - Present
June 2017 - June 2018

Applied Scientist Intern

- Core Machine Learning

Summer 2016

RPI / Princeton

Teaching Assistant

- *Assistant Instructor* - Networks, Economics, and Computation **Spring 2013**
- *Assistant Instructor* - Networks, Economics, and Computation **Fall 2012**
- *Teaching Assistant* - Calculus II **Spring 2011**
- *Teaching Assistant* - Introduction to Discrete Structures **Fall 2010**
- *Teaching Assistant* - Multivariable Calculus & Matrix Algebra **Spring 2010**
- *Undergraduate Teaching Assistant* - Introduction to Logic **Fall 2009**
- *Undergraduate Teaching Assistant* - Data Structures and Algorithms **Spring 2009**

World Bank

Temporary Employee

- Short Term Temporary - Databases / Imputation

Summer 2009

EMC Corporation (now Dell EMC)

Summer Intern

- Technical Competitive Analysis Group Intern **Summer 2007**
- Performance Group Intern **Summer 2005**

RESEARCH
(ALL ORDERED
ALPHABETICALLY)

M. Charikar, Y. Naamad, J. Wu “On Finding Dense Common Subgraphs” *Submitted*

M. Charikar, Y. Naamad, A. Wirth “On DkS-hardness for MinRep-hard Problems” *Manuscript*

M. Charikar, Y. Naamad, J. Rexford, X. Zou “Multi-Commodity Flow with In-Network Processing” *Accepted to the 4th International Symposium on Algorithmic Aspects of Cloud Computing (ALGO CLOUD) 2018*

M. Charikar, Y. Naamad, A. Wirth “On Approximating Target Set Selection” *Proceedings of the 19th Intl. Workshop on Approximation Algorithms for Combinatorial Problems (APPROX) 2016*

M. Chakraborty, S. Das, A. Lavoie, M. Magdon-Ismael, Y. Naamad “Instructor Rating Markets” *Proceedings of the Twenty-Seventh AAAI Conference on Artificial Intelligence 2013*
Abstract appeared in the *Proceedings of the Second Conference in Auctions, Market Mechanisms, and Their Applications (AMMA) 2011*

E. Anshelevich, S. Das, Y. Naamad “Anarchy, Stability, and Utopia: Creating Better Matchings” *Autonomous Agents and Multi-Agent Systems (AAMAS) 2013*
Prior conference version appeared in *Proceedings of the 2nd International Symposium on Algorithmic Game Theory (SAGT) 2009*

AWARDS

COMAP Mathematical Contest in Modeling

- 2011 - Outstanding Winner for Problem B (Repeater Coordination)
- 2010 - Outstanding Winner (SIAM Prize) for Problem B (Criminology)

Princeton Internal Awards

- 2014 Computer Science Graduate Teaching Award

RPI Internal Awards

- 2011 Paul A. McGloin Prize in Computer Science
- 2010 Founders Award of Excellence
- 2010 RPI Mathematics PhD Preliminary Exam “Passed with Distinction”

SKILLS

Development: **C**, C++, C#, Haskell, **Java**, **Javascript**, Julia, Lua, Matlab, MIPS, **PHP**, Prolog, **Python 2/3**, Scheme, SQL, Visual Basic 6/.Net

Tools: AMPL, Arduino, Git, Keras/Tensorflow, scikit-learn, L^AT_EX, Unity

Operating Systems: Windows, Linux, MacOS, FreeBSD

Languages: English (native), Hebrew (native), Spanish (elementary)

CITIZENSHIP

Citizen of both USA and Israel.