

Milad Nasr

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Education

2015–... MS/PhD, University of Massachusetts Amherst, Amherst, MA
GPA: 3.96/4

2011–2015 B.Sc. in Computer Engineering, Isfahan University of Technology (IUT), Isfahan, Iran
GPA: 17.97/20

Research Interests

- Security and Privacy
- Game Theory and Mechanism Design
- Networking
- Artificial Intelligence

Publications

- **Milad Nasr**, Hadi Zolfaghari and Amir Houmansadr. “*The Waterfall of Liberty: Decoy Routing Circumvention that Resists Routing Attacks.*” Proceedings of the 24nd ACM **SIGSAC** Conference on Computer and Communications Security. ACM (2017).
- **Milad Nasr**, Amir Houmansadr and Arya Mazumdar. “*Compressive Traffic Analysis: A New Paradigm for Scalable Traffic Analysis.*” Proceedings of the 24nd ACM **SIGSAC** Conference on Computer and Communications Security. ACM (2017).
- **Milad Nasr**, and Amir Houmansadr. “*Game of Decoys: Towards Optimal Decoy Routing Circumvention Through Game Theory.*” Proceedings of the 23nd ACM **SIGSAC** Conference on Computer and Communications Security. ACM (2016).
- Stanford, H. C. I. “*Daemo: a Self-Governed Crowdsourcing Marketplace*” . Adjunct Proceedings of the 28th Annual **ACM Symposium on User Interface Software & Technology**(2015)
- S.Farhang, M. H.Manshaei, **M. N.Esfahani**, and Q.Zhu, “*A Dynamic Bayesian Security Game Framework for Strategic Defense Mechanism Design*”, in **Decision and Game Theory for Security** (pp. 319-328). Springer International Publishing (2014).

Research Experience

- Researcher at UMASS Security and Privacy Group, *Fall 2016–...*
- Researcher at Game Theory and Mechanism Design Laboratory, *Isfahan, Iran, Fall 2013-Spring 2015*
- Researcher at Stanford Crowd Research Collective Group, *Spring 2015*

Professional Experience

- 2011–2015** Information Technology Center-IUT, *Isfahan, Iran*
Researcher and Network Administrator
- Design and deploy distributed storage with more than 500TB (glusterfs)
 - IUTCloud: deploying IaaS with OpenStack
 - Kharazmi System: cloud based homepage for IUT faculty members
- 2013–2015** Omid Programming Company, *Isfahan, Iran*
CEO/Project Manager
- Mobile Programming (iOS/Android)
 - Backend Programming (Python)

Projects

- SIDS** Anomaly detection system using statistical features of network traffic. Isfahan University of Technology, 2014
- IUT ECE Computing Cluster** High performance cluster for parallel computing, Department of Electrical and Computer Engineering (IUT), 2014
- IUT Domain** Campus wide central windows domain using Samba, LDAP and DNS with more than 5000 PCs, more than 20000 users and load balancing and failover, Isfahan University of Technology, 2012
- IUT boinc** Campus volunteer computing system with more than 300 PC and 500GFlops computing power, Isfahan University of Technology, 2012
- Robocup Junior Soccer** Programmer and Electrical designer in Junior Soccer Robotic team 2008-2010

Awards and Honors

- Ranked 8th in “Master of Computer Engineering (AI)” nationwide entrance exam, Iran, 2015
- Top 3 among 60 students in computer engineering - Isfahan University of Technology, 2015
- Granted merit-based admission to masters program in AI, Network and Software Engineering at ECE department of Isfahan University of Technology, 2014
- Certificate from NIIT in “OO Application Development” with outstanding score, 2008
- Winner of NODET(National Organization for Development of Exceptional Talents) software competition, 2007
- Winner of software festival in middle-school NODET(National Organization for Development of Exceptional Talents) competition, 2005–2006

Software Engineering Skills

■ Programming Languages

Python, Java, Swift, Objective C, C, C++, C#
Django, PHP, JSE, JSP, ASPnet

■ Network Administration

FreeBSD, Cisco iOS, Windows, UNIX, Clustering, Virtualization

Teaching Experience

- University of Massachusetts -Amherst
 - TA- Introduction to Computer and Network Security
- Shahid Ejei High School
 - *AVR Programming, C# Programming, C++ Programming, Information Security, Game Theory*
- Isfahan University of Technology
 - Teacher Assistant
 - * Computer Programming, Fall 2013
 - * Parallel Processors, Spring 2012–2015
 - Volunteer Teaching:
 - * C# Programming
 - * Cisco Switches
 - * MPI Programming
 - * Linux

Language Skills

- **English**- Fluent
- **Persian**- Native

References

Available upon request.