

# Danesh Irani

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## Education

Georgia Institute of Technology August 2006 – May 2012

*Ph.D. in Computer Science*

- Thesis on Securing Online Services against Evolving Denial of Information Attacks.
- Advised by Professor Calton Pu.

University of Toronto, Canada September 2000 – September 2004

*Honors Bachelor of Science (with distinction)*

- Specialist Computer Science Co-op program, Software Engineering stream.

## Work Experience

Symantec Research Labs May – August 2011

*Core Research – Intern*

- Researched privacy in social networks.

Eurecom, France May – August 2010

*Visiting Researcher*

- Researched attacks on social networks (paper published in DIMVA 2011).

Amazon.com Inc May – August 2009

*Software Development Engineering Intern*

- Built an auto-learning quality of service (QoS) proxy.

Motorola Labs May – August 2007

*Applications Research Engineering Intern*

- Prototyped a client-server social television application.
- Co-authored patents relating to prototype.

IBM Canada Ltd., Canada January 2004 – September 2006

*Information Technology Specialist*

- Researched and developed tools to detect network security weaknesses.

## Research

### *Interests*

Information Security and Privacy; Information Quality; Online Information Services;

### *Selected Peer-reviewed Publications*

- De Wang, Danesh Irani, and Calton Pu, "A Social-Spam Detection Framework," in Collaborative, Electronic messaging, Anti-Abuse and Spam Conference (CEAS'11), Perth, Australia, September 2011.
- Danesh Irani, Marco Balduzzi, Davide Balzarotti, Engin Kirda, and Calton Pu, "Reverse Social Engineering Attacks in Online Social Networks," in Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA'11), Amsterdam, Netherlands, July 2011.
- Danesh Irani, Steve Webb, Kang Li, and Calton Pu, "Modeling Unintended Personal Information Leakage from Multiple Online Social Networks," in IEEE Internet Computing special issue on Security and Privacy in Social Networks, 2011.

- Qinyi Wu, Danesh Irani, Calton Pu, and Lakshmith Ramaswamy, "Elusive Vandalism Detection at Wikipedia: A Text Stability-based Approach," in Nineteenth ACM International Conference on Information and Knowledge Management (CIKM'10), Toronto, ON, Canada, October 2010.
- Danesh Irani, Steve Webb, and Calton Pu, "Study of Trend-Stuffing on Twitter through Text Classification," in Seventh Annual Collaboration, Electronic Messaging, Anti-Abuse and Spam Conference (CEAS'10), Redmond, WA, July 2010.
- Danesh Irani, Steve Webb, and Calton Pu, "Study of Static Classification of Social Spam Profiles in MySpace," in Fourth International AAAI Conference on Weblogs and Social Media (ICWSM'10), Washington, DC, May 2010.
- Danesh Irani, Steve Webb, Kang Li, and Calton Pu, "Large Online Social Footprints – an Emerging Threat," in 2009 IEEE International Symposium on Secure Computing (SecureCom'09), Vancouver, BC, Canada, August 2009.
- Danesh Irani, Steve Webb, Jon Giffin, and Calton Pu, "Evolutionary Study of Phishing," in Third Anti-Phishing Working Group eCrime Researchers Summit (eCrime'08), Atlanta, GA, October 2008. Best Paper Award.

### Awards

- Motorola BRAVO! Award August 2007
- Recognition of above and beyond performance in preparation and delivery of a product demonstration to a Motorola client.
- Natural Sciences and Engineering Research Council of Canada (NSERC) May 2004  
*Undergraduate Student Research Award*
- For investigation into performance of in-memory distributed databases.

### Patents

#### Symantec Research Labs

- Multiple patents under preparation.

#### Motorola Labs

- Method and Apparatus to Facilitate Automatically Forming an Aggregation of Multiple Different Renderable Content Items.  
[USPTO App.: 2009/0241155 A1; International Patent App.: WO/2009/117260]
- Method and Apparatus Regarding Receipt of Audio-Visual Content Information and Use of Such Information to Automatically Infer a Relative Popularity of That Content.  
[USPTO App.: 2009/0172745 A1; International Patent App.: WO 2009/085729]

### Professional Service, Invited Talks, and Memberships

- Program Committee Member for CEAS 2011, CEAS 2010, and PASSAT 2010.
- President [2010] and VP of Computer Science [2009], Graduate Student Council at Georgia Tech's College of Computing.
- Round-table on Social Computing hosted by Qatar Computing Research Institute (QCRI).
- Member of AAAI, ACM, IEEE, and Golden Key Honor Society.