

# Tamara Denning

PhD Student

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## RESEARCH STATEMENT

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I am a fifth year PhD student at the University of Washington working with Tadayoshi Kohno in the Security and Privacy Research Lab. My interests are in computer security and ubiquitous computing. My main area of focus is the intersection of humans and computer security with a focus on emerging technologies.

## EDUCATION

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PhD Student (5<sup>th</sup> year)

*Computer Science and Engineering, University of Washington, Seattle, WA*

Master of Science, 2009

*Computer Science and Engineering, University of Washington, Seattle, WA*

Bachelor of Science (Cum Laude), 2007

*Computer Science, University of California, San Diego, CA*

## AWARDS

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Microsoft Research Women's Scholarship (2009/2010)

Marilyn Fries Endowed Regental Fellowship (2007/2008)

Achievement Rewards for College Scientists (ARCS) Fellowship (2007-2009)

CRA Outstanding Undergraduate Awards Honorable Mention 2007

CRA-W Distributed Mentorship Program Awardee 2006

Office of Naval Research Internship Awardee 2004

## PUBLICATIONS

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**Tamara Denning**, Kevin Bowers, Marten van Dijk, and Ari Juels. "Exploring Implicit Memory for Painless Password Recovery." In *Proceedings of the 29<sup>th</sup> Conference on Human Factors in Computing Systems (CHI 2011)*, May 7-12, 2011.

**Tamara Denning**, Alan Borning, Batya Friedman, Brian Gill, Tadayoshi Kohno, William H. Maisel. “Patients, Pacemakers, and Implantable Defibrillators: Human Values and Security for Wireless Implantable Medical Devices.” In *Proceedings of the 28th International Conference on Human Factors in Computing Systems (CHI 2010)*, April 10th-15th, 2010.

**Tamara Denning**, Cynthia Matuszek, Karl Koscher, Joshua R. Smith, and Tadayoshi Kohno. “A Spotlight on Security and Privacy Risks with Future Household Robots: Attacks and Lessons.” In *Proceedings of the 11th International Conference on Ubiquitous Computing (UbiComp 09)*, September 30th-October 3rd, 2009.

**Tamara Denning**, Yoky Matsuoka, and Tadayoshi Kohno. “Neurosecurity: security and privacy for neural devices.” *Neurosurgical Focus*, 27(1), July 2009.

**Tamara Denning**, Adrienne Andrew, Rohit Chaudhri, Carl Hartung, Jonathan Lester, Gaetano Borriello, and Glen Duncan. “BALANCE: Towards a Usable Pervasive Wellness Application with Accurate Activity Inference.” In *Proceedings of The Tenth International Workshop on Mobile Computing Systems and Applications (HotMobile '09)*, February 23-24, 2009.

**Tamara Denning**, Kevin Fu, and Tadayoshi Kohno. “Absence Makes the Heart Grow Fonder: New Directions for Implantable Medical Device Security.” In *Proceedings of 3rd USENIX Workshop on Hot Topics in Security (HotSec '08)*, July 29, 2008.

David Lindquist, **Tamara Denning**, Michael Kelly, Roshni Malani, William G. Griswold, Beth Simon. “Exploring the Potential of Mobile Phones for Active Learning in the Classroom.” In *Proceedings of the Special Interest Group on Computer Science Education (SIGCSE) Technical Symposium*, March 2007.

**Tamara Denning**, Michael Kelly, David Lindquist, Roshni Malani, William G. Griswold, Beth Simon. “Lightweight Preliminary Peer Review: Does in-class peer review make sense?” In *Proceedings of the Special Interest Group on Computer Science Education (SIGCSE) Technical Symposium*, March 2007.

**Tamara Denning**, William Griswold, Beth Simon, Michelle Wilkerson. “Multimodal Communication in the Classroom: What does it mean for us?” In *Proceedings of the Special Interest Group on Computer Science Education (SIGCSE) Technical Symposium*, February 2006.

## **RESEARCH EXPERIENCE**

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**[09/07 - Present] University of Washington, Seattle, WA**  
*PhD Student*

**[06/10 – 09/10] RSA Labs**  
*Research Intern*

**[07/05 – 06/07] University of California, San Diego, CA**  
*Undergraduate Researcher*

**[06/04 – 09/04] Naval Research Laboratory, Monterey, CA**  
*Intern*

## **TEACHING EXPERIENCE**

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**[01/11 – 03/11] TA for Computer Security Class**

*University of Washington, Seattle, WA*

Graded coursework, led discussion sections, and provided assistance on coursework.

**[03/10 – 06/10] TA for Computer Security Class**

*University of Washington, Seattle, WA*

Graded exams and homework.

**[01/09 – 03/09] TA for Computer Security Class**

*University of Washington, Seattle, WA*

Graded exams, led discussion sections, and provided assistance on homework assignments.

**[01/05 – 08/05] Tutor for Computer Organization & Systems Programming Class**

*University of California, San Diego, CA*

Attended weekly lab hours to assist students with class material and graded programming projects.