

# Ann Kilzer

[akilzer@gmail.com](mailto:akilzer@gmail.com)

<http://www.cs.utexas.edu/~akilzer/>

## Education

**The University of Texas at Austin**, Austin, Texas December 2011  
M.S. in Computer Science

**Gonzaga University**, Spokane, Washington May 2008  
B.S. in Computer Science. Magna Cum Laude  
B.A. in Math, Art, Minor in German

## Skills

Proficient in Python, C/C++. Experienced in Java, Lisp, HTML, L<sup>A</sup>T<sub>E</sub>X.  
Familiar with Linux/UNIX, OS X, Windows.  
Speak conversational German and currently learning Japanese.

## Professional Experience

**The University of Texas at Austin** September 2009 – August 2011  
*Research Assistant*

- \* Studied privacy and de-anonymization of collaborative filtering systems.
- \* Work featured in the Economist Blog.

**Google**, Mountain View, California Summer 2009  
*Software Engineering Intern*

- \* Developed visualizations for client and server mappings.
- \* Wrote MapReduce code to gather statistics.
- \* Project became a weekly monitoring tool used by team.

**Google**, Mountain View, California Summer 2008  
*Platforms Software Engineering Intern*

- \* Wrote a program to download firmware to a device through an MMIO interface and calculate checksums.
- \* Developed open source tool for displaying Oprofile output as a directory tree.

**Scalable and Embedded Systems Lab** at Gonzaga University 2007 – 2008  
*Research Assistant*

- \* Compared scalability of parallel programs for Bayesian phylogenetic inference.

**Scalable Systems Lab** at The University of New Mexico, Albuquerque Summer 2007  
*Research Assistant*

- \* Worked on a filesystem interface for sensor networks.
- \* Developed software in C to communicate with and store data on sensors using MANTIS OS.

## **Gonzaga University Center for Evolutionary Algorithms**

2005 – 2008

*Research Assistant.*

- \* Applied genetic algorithms to NP-hard graph theory problems.

## **Department of Mathematics** at California State University, San Bernardino

*NSF Research Experience for Undergraduates*

Summer 2006

- \* Investigated graph theory and bandwidth-critical graphs.

## Teaching Experience

### **The University of Texas at Austin**

Fall 2008 , Spring 2009, Fall 2011

*Teaching Assistant.* for Operating Systems, Intro to Programming, Intro to Computing

- \* Worked with students in office hours.
- \* Taught discussion sections.

## Publications & Presentations

### CONFERENCE PAPERS

J. Calandrino, A. Kilzer, A. Narayanan, E. Felten, V. Shmatikov. “You Might Also Like: Privacy Risks of Collaborative Filtering.” *Proc. IEEE Symposium on Security and Privacy*. Oakland, CA: May 2011

I. Roy, S. Setty, A. Kilzer, V. Shmatikov, E. Witchel. “Airavat: Security and Privacy for MapReduce.” *Proc. 7th Symposium on Networked Systems Design and Implementation*. San Jose, CA: USENIX, April 2010.

J. Horey, J. Tournier, P. Widener, A. Maccabe, A. Kilzer. “A Filesystem Interface for Sensor Networks.” In *Proc. Fifth Workshop on Embedded Networked Sensors (HotEmNets)*, Charlottesville, Virginia: ACM, June 2008.

S. Ganzerli, P. De Palma, S. Overbay, A. Kilzer, R. Datteri, S. Fitzgerald. “Optimizing Resources in Undergraduate Research.” In *2008 Structures Conference*, Vancouver, British Columbia, Canada: April 2008.

### PROJECTS

A. Kilzer. “Oprofile Kernel Tree Builder.” An open-source script for viewing Oprofile output as a directory tree. <http://code.google.com/p/oprofile-kernel-tree-builder>.

### PRESENTATIONS

A. Kilzer, (I. Roy, S. Setty, V. Shmatikov, E. Witchel.) “Applying Differential Privacy to Search Queries.” (poster) *SOSP Diversity 2009*. Big Sky, Montana. October 10, 2009.

K. Dahmen, and A. Kilzer. “Genetic Algorithms for Optimized Book Embedding.” *Spokane Intercollegiate Research Conference*, Whitworth College, Spokane, Washington: April 7, 2006.

## Hobbies

Choy Lay Fut Kung Fu, Printmaking, Volunteer for Austin Pets Alive!