

# Patrick Gage Kelley

## PROFILE

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Patrick Gage Kelley is seriously enjoying academia, however summer is a time to explore. He believes people should actively contribute to their environments. He is rarely satisfied.

## RESEARCH INTERESTS

5551 Beacon Avenue  
Pittsburgh, PA 15217

Currently, Information Design, specifically geared towards educating users about privacy: on websites, in user preferences, through log and audit data, and with regards to suggested changes to policies.

## EDUCATION

**Carnegie Mellon University** - Pittsburgh, Pennsylvania

Ph.D. in Computation, Organizations & Society - School of Computer Science

**Rochester Institute of Technology** - Rochester, New York

B.S. Computer Engineering & B.S. Creative Writing and Literature - 2006

Honors Scholarship :: Presidential Scholarship :: Nathaniel Rochester Scholar

## EXPERIENCE

**Wombat Security Technologies** 2008–Present

My research at Carnegie Mellon contributed to the creation of the startup company Wombat Security Technologies. I have continued to work as consultant for Wombat, assisting in future development of anti-phishing tools, educational materials, and website design and maintenance.

**National Security Agency** 2004–2005 *cleared TS//SI*

*Knowledge Discovery Sciences Office*

Development work on a tool for separating a document's content from extraneous formatting, part of a larger project for automatic semantic document clustering based on content.

*Laboratory for Physical Sciences at University of Maryland*

Planned a controller update for a Scanning Tunneling Microscope; redesigned, updated, and maintained content of the group's website; and studied Quantum Computing and Quantum Information Science.

*System Engineering and Project Management*

Development work on a project tasked to monitor an incoming data system. Created a system with a CGI web-interface for Python base-code. Created documentation of security plans/presentations and website for the branch.

## RESEARCH AWARDS

“Designing A Privacy Label.” 1st Place, ACM SIGCHI Student Research Competition. 2009.

“Mitsubishi Electronic Research Lab Sensor Exploration.” With D. Rashid. Honorary Award, IEEE InfoVis Contest. 2008.

## COMPUTER LANGUAGES

PHP :: mySQL :: x/html :: CSS

Java :: Processing

Python :: Perl :: Ruby

## EXPERIENCE CONTINUED

### **Special Projects Mentor at RIT** 2003–2004

Designed the first Honors Program Yearbook.

Developed the Ambassador Program for outreach.

Worked with the director on future planning.

### **Honors & LEAD Mentor at RIT** 2002–2003

Designed a yearly overnight retreat for winter quarter.

Focused programming on journaling, reflection.

Generated involvement in the Student Advisory Board.

### **Research Assistant, Computer Engineering at RIT** 2002

Led the development of MIST (the Meta Image Software Toolkit) in collaboration with Kodak.

Science and technology multiply around us. To an increasing extent they dictate the languages in which we speak and think  
Either we use those languages, or we remain mute  
–JG Ballard

last updated june 2009

## **ACTIVITIES, ORGANIZATIONS & LEADERSHIP**

### **IMPAQT** –*Ambassador to Qatar*

Selected to travel to Carnegie Mellon's Doha, Qatar campus as a member of a ten-student group to develop programs and projects to more tightly bind CMU.

### **Graduate Student Assembly** –*President*

Elected for two terms as GSA President. Focused on improving communication, through orientation events, increased representation, and better committee reporting.

### **National Association of Graduate & Prof. Students** –*Newsletter Editor*

Invited to assist with editing, design, and content of the NAGPS newsletter.

### **Dec5** –*Editor of The Guide to Living in Pittsburgh*

In 2007 I started the initiative to revitalize *The Guide to Living in Pittsburgh*, a CMU Computer Science publication for over twenty-five years.

### **Dossier** –*Editor*

*Dossier*, CMU's Art & Literary Magazine, ceased publication in 2002. Working with Kristen Lukiewski, we began again in spring of 2007, switching to a semesterly magazine format to showcase student work.

### **The Tartan Newspaper** –*Editorial Board & Senior Staffwriter*

I continued my journalistic work at Carnegie Mellon, with their newspaper *The Tartan*. I became a staffwriter, and was appointed to the Editorial Board in 2007.

### **Society for Women Engineers**

–*National Collegiate Leadership Publicity Manager and Leadership Coach*

Became the first male student to sit on a National SWE Committee. Presented at two national conferences in support of the Student Leadership Committee.

### **RIT Honors Program** –*Secretary & Constitutional/Steering Committee Chair*

I chaired the Constitutional Committee, that designed the foundation of the Honors Program Student Government. Chaired three other committees and also served as an officer on the Honors Executive Council.

### **RIT Leadership Institute (formerly LEAD)** –*Mentor and Advisory Board*

I served as an active member of the RLI Advisory Board, helping to further refine its certification program and served as a mentor at the quarterly retreats.

### **Signatures Magazine** –*Literary Editor*

I served as Literary Editor for the 2004 issue of RIT's Art & Literature magazine.

### **Reporter Magazine** –*Online Editor & Staffwriter*

## **PUBLISHED PAPERS**

Tsai, J., Kelley, P.G., and Cranor, L. "The Risk and Benefit Perceptions of Location-Sharing Technologies," *TPRC* 2009.

McDonald, A., Reeder, R., Kelley, P.G., and Cranor, L. "A Comparative Study of Online Privacy Policies and Formats." *PETS* 2009.

Kelley, P.G., Bresee, J., Reeder, R., and Cranor, L. "Design of A Privacy Label." *SOUPS* 2009.

Tsai, J., Kelley, P.G., Hankes Drielsma, P., Cranor, L., Hong, J., and Sadeh, N. "Who's Viewed You? The Impact of Feedback in a Mobile-location System." *Computer Human Interaction (CHI)*. 2009.

Ravichandran, R., Benisch, M., Kelley, P.G., and Sadeh, N. "Capturing Social Networking Privacy Preferences: Can Default Policies Help Alleviate Tradeoffs between Expressiveness and User Burden?" *PETS* 2009.

Kelley, P.G., Hankes Drielsma, P., Sadeh, N., and Cranor L. "User Controllable Learning of Security and Privacy Policies." *Workshop on Security and Artificial Intelligence (AISec)*. 2008.

Reeder R.W., Kelley, P.G., McDonald, A.M., and Cranor, L.F. "A User Study of the Expandable Grid Applied to P3P Policy Visualization." *Workshop on Privacy in the Electronic Society (WPES)*. 2008.

Sadeh, N., Hong, J., Cranor, L., Fette, I., Kelley, P.G., Prabaker, M., and Rao, J. "Understanding and Capturing People's Privacy Policies in a People Finder Application", *Privacy Usability Journal*. 2008.

Prabaker, M., Rao, J., Fette, I., Kelley, P.G., Cranor, L., Hong, J., and Sadeh, N. "Understanding and Capturing People's Privacy Policies in a People Finder Application." *Ubicomp Workshop on Privacy*, Austria, 2007.

DeBartolo, E., Bailey, M., Zaczek, M., Schriefer, T., Kelley, P.G., Ramaswamy, M., and Ryczko, N. "Traveling Engineering Activity Kits - Energy and the Environment." *ASEE Conference*, Honolulu, 2007.

## **TECHNICAL REPORTS**

Benisch, M., Kelley, P.G., Sadeh, N., Sandholm, T., Cranor, L., Hankes Drielsma, P., and Tsai, J. "The Impact of Expressiveness on the Effectiveness of Privacy Mechanisms for Location Sharing." CMU Tech Report: CMU-ISR-08-141, December 2008.

## RESEARCH POSTERS

McDonald, A., Reeder, R., Kelley, P.G., and Cranor, L. "A Comparative Study of Online Privacy Policies and Formats." *Computers, Freedom & Privacy (CFP)* 2009.

Kelley, P.G., Bresee, J., Reeder, R., and Cranor, L. "Design of A Privacy Label." *Computers, Freedom & Privacy (CFP)* 2009.

Tsai, J., Kelley, P.G., Hankes Drielsma, P., Cranor, L., Hong, J., and Sadeh, N. "Who's Viewed You? The Impact of Feedback in a Mobile-location System." *Computers, Freedom & Privacy (CFP)* 2009.

Kelley, P.G., Won, S.S., and Cranor, L.F. "P3P Expandable Grids." *Privacy Mindswap, Center for Computational Thinking*, Pittsburgh, PA. Oct. 2007.

Fette, I., Kelley, P.G., Tomasic, A., and Sadeh, N. "Detecting Phishing Emails Through Machine Learning." *APWG e-Crime Researchers Summit*, Pittsburgh, PA, Oct. 2007.

## INVITED PRESENTATIONS & PANELS

"Research Showcase Highlights." *Computers, Freedom, and Privacy*. Washington D.C. 2009.

"Designing Facebook Applications with Privacy." *Social Web (Hong & Kraut)*, Pittsburgh, PA. 2008.

"Preparing the Agile Cyberdefender." *Air Force Strategy Session*, Arlington, VA May 2008.

With A. Ray and E. Graeff. "Veni, Vidi, Wiki?," *Scholarship @ RIT*, Rochester, NY. 2005.

"Learning Leadership Styles" *Society of Women Engineers, National Conference*. Anaheim, CA. 2005.

"Developing a Succession Plan," "Managing Student Government," and "The Young Leader," *National Collegiate Honors Conference (NCHC)*, New Orleans, LA. 2004.

"Rochester, City as Text," and "Developing a Student Constitution." *NCHC*, Chicago, IL. 2005.

"Leadership as Exploration" *Society of Women Engineers National Conference*, Birmingham, AL. 2003.