

# Shyong (Tony) K. Lam

## Objective

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Seeking an employment opportunity at a research facility working in information filtering, data mining, or user interface design in areas relating to the social web and community-driven systems.

## Experience

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Jan 1999 – present                      GroupLens Research – Univ. of Minnesota                      Minneapolis, MN

### Research Assistant (Graduate and Undergraduate)

- Advisor: John Riedl
- Research in automated collaborative filtering and online recommender systems
- Developed and maintained MovieLens movie recommender system from 1999 to 2003
- Current projects: exploration of “shilling” attacks on recommender systems designed to manipulate recommendations, and building software to facilitate community self-maintenance of information repositories.

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June 2001 – Sep 2001                      NEC Research Institute                      Princeton, NJ

### Summer Student / Research Assistant

- Advisors: David Pennock, Steve Lawrence
- Research in information retrieval, data mining, and artificial intelligence
- Developed a question-answering system capable of answering game-show style multiple-choice trivia questions using the web as a corpus
- Authored a paper presented at the 19<sup>th</sup> Conference on Uncertainty in AI (UAI '03)

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May 2005 – Aug 2005                      Palo Alto Research Center (PARC)                      Palo Alto, CA

### Summer Research Intern

- Advisors: Ed Chi, Peter Pirolli
- Research in information filtering and computer-supported collaborative work with a focus in collaborative search techniques and interfaces

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May 2007 – Aug 2007                      Yahoo! Research                      Santa Clara, CA

### Summer Research Intern

- Advisor: Elizabeth Churchill
- Research in sharing and privacy practices on web communities (e.g., Flickr, del.icio.us)
- Authored a paper presented at the 2007 Conference on Designing for User Experience (DUX '07)

## Education

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2002 – Present                      University of Minnesota                      Minneapolis, MN

### Enrolled in Graduate School

- Goal: Ph.D and Master's degrees in Computer Science
- Expected graduation: 2008
- Advisor: John Riedl

## Shyong (Tony) K. Lam

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1998 – 2002

University of Minnesota

Minneapolis, MN

### B.S. in Computer Science

- Graduated *magna cum laude*. GPA 3.9/4.0.
- Minor degrees in Mathematics and Astrophysics

### Technical Skills

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- Languages: PHP, Ruby, Perl, Javascript, C, Java
- Operating Systems: Linux, FreeBSD, OpenBSD, Windows (2000, XP)
- Able to learn new languages and software systems quickly

### Honors and Awards

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- **Best Paper Award** – 2006 ACM Conference on Computer-Supported Collaborative Work
- **James Chen Best Student Paper Award** – 2003 International Conference on User Modeling
- Graduated *Magna Cum Laude with High Distinction* in major, 2002
- **Undergraduate Research Opportunities Program (UROP)** grant received in 2000 for developing a general infrastructure for conducting experiments with MovieLens

### Selected Publications

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Lam, S.K., Churchill, E. “The Social Web: Global Village or Private Cliques?” In Proceedings of the 2007 Conference on Designing for User Experience (DUX 2007), Chicago, IL.

Priedhorsky, R., Chen, J., Lam, S.K., Panciera, K., Terveen, L., and Riedl, J. “Creating, Destroying, and Restoring Value in Wikipedia.” In Proceedings of GROUP 2007, Sanibel Island, FL.

Sen, S., Lam, S.K., Cosley, D., Rashid, A.M., Frankowski, D., Harper, F.M., Osterhouse, J., & Riedl, J. “tagging, communities, vocabulary, evolution.” In Proceedings of the 2006 ACM Conference on Computer-Supported Collaborative Work (CSCW 2006), Banff, Alberta, CA.

Lam, S.K., Frankowski, D., & Riedl, J. “Do You Trust Your Recommendations? An Exploration of Security and Privacy Issues in Recommender Systems.” In Proceedings of the 2006 International Conference in Emerging Trends in Information and Communication Security, Freiburg, Germany.

Lam, S.K., & Riedl, J. "Shilling Recommender Systems for Fun and Profit." In Proceedings of the 2004 International World Wide Web Conference (WWW 2004), New York, NY.

Lam, S.K., Pennock, D., Cosley, D., & Lawrence, S. "One Billion Pages = One Million Dollars? Mining the Web to play 'Who Wants To Be A Millionaire?'" In Proceedings of the 19th Conference on Uncertainty in Artificial Intelligence (UAI 2003), Acapulco, Mexico.

Cosley, D., Lam, S.K., Albert, I., Konstan, J.A., & Riedl, J. "Is Seeing Believing? How Recommender System Interfaces Affect Users' Opinions." In Proceedings of the 2003 Conference on Human Factors in Computing Systems (CHI 2003), Fort Lauderdale, FL.

McNee, S., Lam, S.K., Konstan, J.A., & Riedl, J. "Exploring Interfaces for Eliciting New User Preferences in Recommender Systems." In Proceedings of the 2003 International Conference on User Modeling (UM 2003), Johnstown, PA.