

# Chayant Tantipathananandh

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## Research Interests:

- Design and analysis of algorithms
- Social network analysis

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## Education:

- 2005–present     **University of Illinois, Chicago**  
Ph.D. Student  
Advisor: Tanya Berger-Wolf
- M.S. in Computer Science, May 2007; Phi Kappa Phi  
Thesis: *Community Identification in Dynamic Social Networks Using Generalized Coloring*  
Advisor: Tanya Berger-Wolf
- 1998–2002     **Chiang Mai University, Chiang Mai, Thailand**  
B.Eng. in Computer Engineering (honor)  
Project: *Cluster Secure Web Server*  
Advisor: Juggapong Natwichai

## Academic Experiences:

- 2006–present     **Research Assistant**  
Computational Population Biology Lab, University of Illinois, Chicago
- Spring 2008     **Teaching Assistant**  
CS 401 Computer Algorithms I, University of Illinois, Chicago

## Industrial Experiences:

- 2005     **Senior Programmer**  
To-Be-One Technology, Bangkok, Thailand
- 2002–4     **Programmer**  
C.S.I. Group, Bangkok, Thailand.
- 2001     **IT Intern**  
Electricity Generating Authority of Thailand (EGAT), Nonthaburi, Thailand

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## Awards and Honors:

- KDD student travel award, 2009.
- UIC Graduate College and Graduate Student Council travel awards, 2009.
- DIMACS student travel award, 2007.
- KDD student travel award, 2007.
- UIC Graduate College and Graduate Student Council travel awards, 2007.
- Outstanding Engineering Student Award, Crown Prince Foundation, Thailand, 2001.
- Outstanding Student Awards, Faculty of Engineering, Chiang Mai University, 1999–2002.

## Publications:

- [1] K. Reda, **C. Tantipathananandh**, T. Berger-Wolf, J. Leigh, A. Johnson. *Poster: SocioScape a Tool for Interactive Exploration of Spatio-Temporal Group Dynamics in Social Networks*. InfoVis, 2009.
- [2] **C. Tantipathananandh** and T. Berger-Wolf. *Constant-Factor Approximation Algorithm for Identifying Dynamic Communities*. KDD 2009.
- [3] **C. Tantipathananandh**, T. Berger-Wolf, and D. Kempe. *A framework for identifying communities in dynamic social networks*. KDD 2007.
- [4] Habiba, **C. Tantipathananandh**, and T. Berger-Wolf. *Betweenness Centrality Measure in Dynamic Networks*. DIMACS Technical Report 2007.

## Invited Talks:

- [1] **C. Tantipathananandh** and T. Berger-Wolf. *Community Identification in Dynamic Social Networks*. ISMP 2009.

## Professional Activities:

- Participant in National Linux Contest, NECTEC, Bangkok, Thailand, 2004.
- Instructor for shell script training workshop, C.S.I. (Thailand), Bangkok, Thailand, 2003.
- Administrator of Linux student server, Chiang Mai University, Chiang Mai, Thailand, 2000–2002.
- Participant in National Computer Olympiad, Bangkok, Thailand, 1996.

## Extra-Curricular Activities:

- Worldwide Photo Walk, Chicago, 2009.
- Swing dancing I, II, 2008.
- Badminton Club, University of Illinois, Chicago, 2005–present.
- Amateur Radio Club, Chiang Mai University, Chiang Mai, Thailand, 2001–02.
- Grade 5 Electone performance and theory exams from Yamaha, 1997.
- Grade 6 Piano exam from Trinity College London, 1995.