

Tak Yeon Lee

- CONTACT INFORMATION 7512 Lake Glen dr., mobile: +1 202 330 2506
Glenn Dale, Maryland, the United States e-mail: tylee@umd.edu
- RESEARCH INTERESTS My research interests lie in the area of Human-Computer Interaction (HCI) and Technology-Supported Social Education. The goal of my research is to develop a socially empowered educational system that makes STEM(Science, Technology, Engineering and Mathematics) enjoyable to learn. I explore the use of Machine Learning techniques and Data visualization for better interaction quality.
- EDUCATION **University of Maryland**, College Park, Maryland, the United States
Doctor of Philosophy student, Computer Science **January 2009 – present**
- Expected graduation date: March 2013
 - Advisors: Professor Benjamin B. Bederson
- Delft University of Technology**, the Netherlands
Master of Science, Design for Interaction **September 2004 – October 2006**
- Advisors: Professor Pieter Jan Stappers
 - Thesis: Designing for Profound Activity: Learning Photography by Using Digital Camera
- Korea Advanced Institute of Science and Technology**, South Korea
Bachelor of Science, Industrial Design (1st msjor) **March 1996 – Febraury 2004**
Bachelor of Science, Computer Science (2nd major)
- PUBLICATIONS Lee, T.Y., Mauriello, M.L., Ingraham, J., Sopan, A., Ahn, J., Bederson, B.B., “CTArcade: Learning Computational Thinking While Training Virtual Characters Through Game Play”, *Extended Abstracts, Proc. ACM SIGCHI 2012: Conference on Human Factors in Computing Systems*. Austin, TX
- Rios, M., Sharma, P., Lee, T.Y., Schwartz, R. and Shneiderman, B., “TreeCoverly: Coordinated dual treemap visualization for exploring the Recovery Act”, *Government Information Quarterly (December 2011)* doi:10.1016/j.giq.2011.07.004
- Gupta, N., Khurana, U., Lee, T.Y., Nawathe, S., “Optimizing Display Advertisements Based on Historic User Trails”, *SIGIR 2011 Workshop: Internet Advertising (IA2011)*
- PROFESSIONAL EXPERIENCE **Microsoft**, Redmond, the United States
UX Design Intern. **June 2010 – August 2010**
- Designed and developed an interactive visualization of corporate intelligence system
 - Granted an instant offer as a permanent employee
- olaworks.com**, Seoul, South Korea
UX Lead, Product Manager **March 2007 – Febraury 2008**
- Launched an open beta service of social visual diary - oladay.com
- SK Telecom**, Seoul, South Korea
UX researcher **January 2004 – April 2004**
- PORTFOLIO <http://reflect9.com/portfolio/index.html>

TEACHING EXPERIENCE	<p>University of Maryland, College Park, Maryland, the United States <i>Teaching Assistant</i>. Computer Science February 2009 – present</p> <ul style="list-style-type: none"> • Introduction to Human-Computer Interaction and Object-Oriented Programming courses
	<p>Konkuk University, Seoul, South Korea <i>Lecturer</i>. Industrial Design March 2007 – June 2008</p> <ul style="list-style-type: none"> • Graduation project studio, New Media Design studio courses
	<p>Seoul Women University, Seoul, South Korea <i>Lecturer</i>. Industrial Design March 2008 – June 2008</p> <ul style="list-style-type: none"> • Introduction to Human-Computer Interaction
LANGUAGE	Korean, English
PROGRAMMING SKILLS	<p>Dynamic Web Application HTML5, JQuery, django, Google AppEngine and Flash ActionScript Statistics and Data Processing Matlab, R, Python, Perl and Ruby Information Visualization Java and HTML5 Tangible UI and Installation Max/MSP, Arduino, vvvv and Processing</p>
DESIGN TECHNIQUES	<p>Graphic Design Adobe Creative Suite, Microsoft Office, 3DSMax, Rhino3D and Spotfire Ethnography Cultural Probes, Focus Group Interview, Contextual Inquiry Task Analysis, GOMS and Scenario Planning</p>
REFEREES	available on request