

# Tak Yeon Lee

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## PROFILE

Data-driven software engineer with a strong background in usability, A/B testing, visualization, machine learning, and statistics.

Passionate about building products and understanding how people use them.

## RECENT WORK EXPERIENCE

**Graduate Assistant: University of Maryland**, College Park 2009–Present

Designed and built an interactive system for refining LDA topic models

Taught Java programming courses

**Research Intern: IBM Research**, Cambridge, MA 2012

Designed and built an A/B testing platform

Analyzed log data to compare motivational effect of gamification designs

**UX Intern: Microsoft**, Redmond, WA 2010

Designed data visualizations of temporal patterns of collaborative document management

## TECHNICAL SKILLS

**Front-end Web:** HTML, CSS\*, Javascript\*, jQuery\*, Frameworks, Template engines

**Back-end Web:** Google App Engine\*, Node.js, PHP, Ruby-on-Rails

**Programming Languages:** Python\*, Java

**Machine Learning:** regression, clustering, feature engineering, topic modeling\*

**Data Analysis and Visualization:** d3, R, PyPlot

(\* indicates the strongest skills)

## EDUCATION

**University of Maryland**, College Park, MD Present

PhD candidate in Computer Science

**Selected coursework:** Machine learning, Computational Geometry, Information Visualization, Computational Linguistics

**Delft University of Technology**, the Netherlands

MSc. Design for Interaction

**Korea Advanced Institute of Science and Technology**, South Korea

BSc. Industrial Design (1<sup>st</sup>) and BSc. Computer Science (2<sup>nd</sup>)