## Spring 2014 Mentors (CS)

### Graduate Mentors in the PURE Program:

<table>
<thead>
<tr>
<th>Active?</th>
<th>Photo</th>
<th>Mentor</th>
<th>Research / Project Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="Daniel Khashabi" /></td>
<td><strong>Daniel Khashabi</strong></td>
<td>My research is primarily in Machine Learning (ML), and related theoretical and practical aspects. In particular, I focus on natural language understanding. The topics I am interested in range from the very pure theoretical aspects, to many innovative applications in natural language processing (NLP).</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Jason Hyun Duk Cho" /></td>
<td><strong>Jason Hyun Duk Cho</strong> -- Email application to mentor</td>
<td>The area of research I am interested in is in text mining and natural language processing. In particular, I am interested in applying math and statistical models in web/mobile health domain.</td>
</tr>
</tbody>
</table>
I am a second year PhD student in computer science. My research falls between vision and graphics. For example, I'm interested in estimating the size of objects in an image, using meshes to improve 3d reconstruction, and intrinsic image decomposition. Problems related include machine learning, optimization, non-photorealistic rendering, and various mesh algorithms.

I am a 2nd year Ph.D. Student in computer science. I am interested in addressing computer vision and robotics problems related to robot inspection tasks. For example, how can we build a quadrotor system capable of autonomously inspecting bridges. Some problems related to this include flight control, material and fault recognition, localization, structure modeling, etc...

I'm a first year PhD student in the HCI group working with Karrie Karahalios on social spaces online. I'm interested in applying machine learning to data collected from these online spaces, but also have work in more direct human subjects studies particularly in the area of ethics of online technologies.
Mohammad Hosseini

Mobile and multimedia are my main areas. I'm interested in any research topic targeting mobile handheld devices (e.g. Energy-Efficiency, Adaptations, Protocols, Security, ...), especially Mobile Multimedia Systems. This include Games, 3D Graphics, Video, NVEs on mobile devices.

Motahhare Eslami

I am Motahhare Eslami, a 2nd year PhD student in Social Spaces group. I am interested in social network analysis using data mining and HCI techniques to understand people's behavior on social media better. This understanding helps me to analyze the dynamics of online social networks (OSNs) in a practical way.

Muhammad Naveed

I am third year computer science PhD student. I am interested in security, privacy and cryptography. My current research is about smartphone security, cloud storage security, secure multiparty computation, functional encryption, privacy-preserving machine learning and genomic privacy. Some of my work (including video demos) is available at http://cryptoonline.com/.
I am graduate student in the CS department, although I did my undergrad here as well. Academic information:
http://web.engr.illinois.edu/~massung1/

New mentors can sign up easily by just following the Instructions for Creating a New Mentor Page. If you are a current mentor and would like your profile copied from the previous semester, simply send a blank message to uiucpure@gmail.com with subject "Copy Profile." Feel free to ask us questions as well.

If you are looking for a Mentor profile from a past semester and do not see it in this listing, check under the PURE Archive.