Biomedical and Health Informatics Lecture Series

Course Website: **Link**

Tuesday, May 28, 2013
12:00 - 12:50 p.m.
Health Sciences, Room T-474

Dan Morris, PhD

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"Patient-Friendly Medical Information Displays"

Although extensive information is available in a modern electronic medical record (EMR), this information is not structured to be "patient-friendly": the terminology, user interface, and access mechanisms provided by EMRs are primarily targeted at clinicians and administrators. This work explores mechanisms for building patient-friendly displays – particularly for hospital-room screens and for mobile phones – from EMR data. Our work has spanned preliminary user research, UI design, and computational methods. Our long-term goal is to give patients meaningful access to information without creating additional burden for providers.
Project URL: http://research.microsoft.com/cue/patientdisplays

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Dan Morris is a researcher in the Computational User Experiences group at Microsoft Research who is uncomfortable writing bios in the third person. My work at MSR has included sensors and machine learning for input systems, making medical information more useful to hospital patients, and generating musical accompaniment for vocal melodies (the "Songsmith" project). These days my two main research worlds – "sensing stuff for input" and "making medical information useful" – are finally coming together, and I'm working on sensing and machine learning for health and wellness. Before MSR, I studied neuroscience at Brown, and I developed brain-computer interfaces for research and clinical environments. My PhD work at Stanford focused on haptics and physical simulation for virtual surgery. Website link: http://research.microsoft.com/~dan

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NOTE: Podcasts from MEBI 590 Lecture Series talks for this quarter are available at
http://courses.washington.edu/mebi590/schedule.htm

Podcasts from previous quarters are available at
http://courses.washington.edu/mebi590/past.lecture.schedules.html