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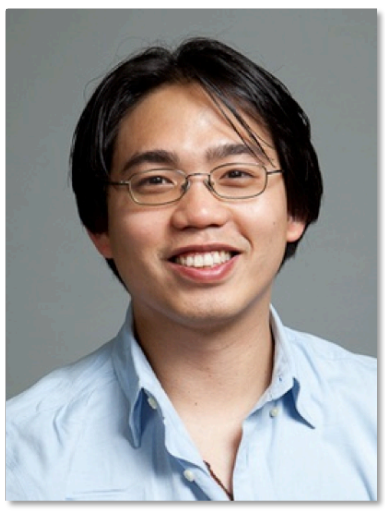
Information Science and Technology Seminar Speaker Series & Data Science at Scale Summer School Speaker Series



Remco Chang
Tufts University

Analyzing User Interactions for Data and User Modeling

Wednesday, July 2, 2014

3:00 - 4:00 PM

TA-3, Bldg. 1690, Room 102 (CNLS Conference Room)

Abstract: User interactions with a visualization system reflect a great deal of the user's reasoning process and personality. In this talk, I will present techniques that we have developed to analyze the user's interactions in order to (a) model the data in the form of metric learning that reflect a user's understanding of high-dimensional data, and (b) model the user and learn the user's individual differences and analysis behavior. In addition, I will discuss the relevant cognitive traits and states that influence a user's analysis process and conclude by suggesting how this research form the basis of mixed-initiative visual analysis systems.

Biography: Remco Chang is an Assistant Professor in the Computer Science Department at Tufts University. He received his BS from Johns Hopkins University in 1997 in Computer Science and Economics, MSc from Brown University in 2000, and PhD in computer science from UNC Charlotte in 2009. Prior to his PhD, he worked for Boeing developing real-time flight tracking and visualization software, followed by a position at UNC Charlotte as a research scientist. His current research interests include visual analytics, information visualization, and HCI. His research has been funded by NSF, DHS, and Draper.

For more information contact the technical host Curt Canada, cvc@lanl.gov, 665-4518.

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