UCF DEPARTMENT OF COMPUTER SCIENCE

Spring 2018 Seminar Series

From explanatory to exploratory data visualization

Monday March 20th 2018

10:00am-11:00am – HEC 450

Information visualization is a powerful medium for understanding complex data. In practice, visualization serves many broad purposes, such as exploratory analysis, process validation, storytelling and presentation, education, and even art! In today's world we generate tremendous amounts of data; this data needs to be investigated and understood to provide meaningful value. This makes visualization indispensable across disparate subject areas, including biology and medicine, large-scale simulation and scientific computing, sociology and ethnographic studies, and business and finance.

A major focus of my research is in creating visualization-based tools that facilitate storytelling and analysis. To enable insights, these tools must provide effective data representations, prioritize user centered design considerations, and integrate sophisticated algorithmic- and action-based pipelines. These efforts are firmly grounded in real-world problems, where solutions often require close collaboration with experts in other domains. Using several examples from my work, this talk will discuss the challenges inherent in developing these tools, from interdisciplinary design to empirical evaluations.

Chris Bryan

Ph.D. candidate in the Department of Computer Science at the University of California

Chris Bryan is a Ph.D. candidate in the Department of Computer Science at the University of California, Davis, under the direction of Professor Kwan-Liu Ma. As a current member of the VIDi lab, his research spans several topics under the umbrella of data visualization, including storytelling, visual analytics, immersive visualization, large-scale predictive analytics, and human-computer interaction. Prior to joining UC Davis, Chris received his B.S. from the University of Arkansas in 2008 and worked for several years as a software engineer.

Hosted by: Gita Sukthankar