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LinkedIn® Tech Talk

At Carnegie Mellon University

Thursday, February 6th, 2014 @ 6:00pm

Location: Doherty Hall, Room A302

Building a Next-Generation Machine Learning Infrastructure

We present our ongoing work building a next-generation platform for implementing machine learned data products at LinkedIn. While advanced modeling techniques and model fitting algorithms capture the bulk of attention of the research community, applying these techniques in practice reveals challenges that have so far received little attention.

This talk will focus on two systems developed by LinkedIn to address these concerns: Metronome and LASER. Together, these two systems have had significant impact on developer productivity, system reliability and performance.



Speaker: Paul Ogilvie, Managing Software Engineer

Paul Ogilvie is an engineering manager working to build the next generation of machine learning systems to power LinkedIn's data products. Previously, Paul lead relevance efforts at mSpoke, a startup based in Pittsburgh that built news personalization, content classification, and information extraction technologies. In 2010, LinkedIn acquired mSpoke and Paul joined LinkedIn. Now, he has refocused his team to build Metronome, which is widely used within LinkedIn for machine learning workflows on Hadoop. Paul received his Ph.D. and M.S. from CMU's Language Technologies Institute and has a dual B.S. in Computer Science and Mathematics from the University of Massachusetts at Amherst.

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