

# 2022 Eberhardt Rehtin Keynote Lecture November 3, 2022 at 3:30PM

USC Davidson Conference Center, Vineyard Room:  
3409 S Figueroa St, Los Angeles, CA 90007

*“Latest AI Research at Meta and the Untold Technologies Behind AI”*

Presented by:

**Bill Jia,**

Senior VP of Engineering at Meta/Facebook



**ABSTRACT:** In this talk, the latest AI research results and the applications at Meta will be discussed. We will show how these results can be used to improve our day-to-day life experiences. Further, we will disclose the untold foundational technologies which are the critical parts to enable all the AI research work - this includes the data centers, network, hardware and the software which are used to create and train the AI research models.

**BIO:** Bill Jia is Senior VP of Engineering at Meta/Facebook, overseeing AI Infrastructure/Platform, Data Infra/Platform, Software Performance and Capacity Engineering, and Hardware Engineering. Since joining Facebook in 2009, he has been responsible for defining overall Facebook product performance strategy, and optimizing and planning infrastructure for Facebook. Further, he is involved in defining Facebook’s hardware platform and strategy. In addition, he has also focused on building the cutting-edge artificial intelligence and applied machine learning platform and infrastructure including PyTorch to analyze one of the largest data sets in the world and apply the AI/AML insights into products (Search, Ads, News Feed, Photos, Videos, IG, etc.) to optimize user experience. Prior to Facebook, Bill spent around 4 years at Microsoft and was in charge of improving and optimizing various Microsoft online services. He received dual BS degrees from Shanghai Jiao Tong University and received his MS degree from National University of Singapore. Bill obtained his PhD degree in Operations Research from the University of Southern California (USC) in 2007.

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