

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Faculty of Engineering

Website: <https://www.eng.nus.edu.sg/ece/>

Area: Signal Analysis & Machine Intelligence

Host: Asst Prof Feng Jiashi

TOPIC	:	Deep Learning in Speech: Speech Synthesis and Speech Recognition
SPEAKER	:	Jason Li, Deep Learning Software Engineer, Nvidia
DATE	:	20 December 2019, Friday
TIME	:	10am to 11am
VENUE	:	E3-06-01, Engineering Block E3, Faculty of Engineering, NUS

ABSTRACT

Jason Li is currently working on the AI Applications team at Nvidia and obtained his Bachelors and Masters from the University of Toronto. The AI applications team focuses on advancing the state of the art in speech and natural language processing, and creating tools to lower the barrier of entry for deep learning research, training, and deployable inference. Jason is currently working on advancing research in areas of speech such as speech recognition and speech synthesis.

BIOGRAPHY

Jason will talk about recent work within speech recognition and speech synthesis starting with Jasper, an open-source, pre-trained speech recognition model and Mellotron, an expressive speech and singing synthesis model. He will discuss new research focused on optimizing Jasper to reduce the amount of model weights. Lastly, he will present a toolkit called Neural Modules aimed to ease research and development in deep learning models for speech and language.

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