Qualifications

- An integrated speech, NLP, and ML group
- ASR: low-resource settings, end-to-end models, RNNs, acoustic word embeddings
- NLP: translation, word/phrase embeddings, character-based/multilingual embeddings

Deep multilingual correlation for improved word embeddings
A. Lu, W. Wang, M. Bansal, K. Gimpel, K. Livescu, NAACL 2015

Discriminative acoustic word embeddings: Recurrent neural network-based approaches
S. Settle, K. Livescu, SLT 2016

Deep convolutional acoustic word embeddings using word-pair side information
H. Kamper, W. Wang, K. Livescu, ICASSP 2016

Capabilities we seek

- Information retrieval
- Text summarization
- Large-scale machine translation

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