Bo-Ru (Roy) Lu

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Research Interests

Deep learning and its applications on natural language generation (NLG) and conversational question answering.

Education

- **University of Washington**, Seattle, WA   Sep. 2018 - present
  Ph.D. in Electrical & Computer Engineering
  Advisor: Prof. Mari Ostendorf

- **National Taiwan University**, Taipei, Taiwan   Sep. 2016 - Jul. 2018
  M.S. in Communication Engineering
  Advisor: Prof. Lin-Shan Lee & Prof. Hung-Yi Lee

- **National Taiwan University**, Taipei, Taiwan   Sep. 2012 - Jun. 2016
  B.S. in Electrical Engineering

Publications

- **B.-R. Lu**, F. Shyu, Y.-N. Chen, H.-Y. Lee, L.-S. Lee. "Order-Preserving Abstractive Summarization for Spoken Content Based on Connectionist Temporal Classification," in INTERSPEECH 2017.

Research Experiences

- **NLP intern**, NLP team, Apple Inc., Cupertino, CA   Jan. 2018 - Apr. 2018
  Manager: Dr. Jerome Bellegarda & Xin Wang
  Using deep learning models to improve and develop input methods.

- **Research assistant**, Speech Processing Lab, NTU, Taipei, Taiwan.   Feb. 2015 - Jul. 2016
  phoneme recognition & attention-based models for text documents and spoken content summarization.

Awards and Honors

- **Hsing Tian Kong Long-Term Fellowship for Cultivating Elite Students**, Hsing Tian Kong   Dec. 2017
  Fellowship to support elite students with the acceptance rate of 0.1%.

- **Advanced Speech Technologies Scholarship**, NTU   Sep. 2017
  Recognizes students with excellent academic performance in speech processing (3 recipients in the year).

- **International Speech and Communication Association Student Travel Grants**, ISCA   Aug. 2017

- **NTU Electrical Engineering 1960 Alumni Scholarship**, NTU   Sep. 2015
  Recognizes undergraduates in EE with excellent academic performance (2 recipients a year).

Skills

- **Languages:** Mandarin (native), English (professional working proficiency)
- **Programming Languages:** Python (familiar), Shell Script (familiar), C/C++, LaTeX
- **Tools:** PyTorch, Tensorflow, Keras, Scikit-learn, Git