

# Bo-Ru (Roy) Lu

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## Research Interests

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

## Education

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- **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

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- **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

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- **NLP intern**, NLP team, Apple Inc., Cupertino, CA Jan. 2018 - Apr. 2018  
Using deep learning models to improve and develop a new input method for IOS.
- **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

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- **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

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