

Do June Min

University of Michigan

Department of Electrical Engineering and Computer Science

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<https://mindojune.github.io/>

Education	University of Michigan PhD Candidate in Computer Science	<i>2020 -</i>
	University of Michigan MS in Computer Science, GPA: 3.934	<i>2018 - 2020</i>
	Swarthmore College BSc, Computer Science & Mathematics, GPA: 3.86	<i>2012 - 2018</i>
	Korean Minjok Leadership Academy	<i>2009 - 2012</i>
Research Experience	Research Assistant, University of Michigan Worked on an NIH-funded project: Analyzing Patient-Nurse Conversations in a Comparative Effectiveness Study for Glycemia Reduction Approaches in Diabetes	<i>09/2019 -</i>
	Research Assistant, Swarthmore College Topic: Cybersecurity game model with imperfect observation	<i>05/2017 - 08/2017</i>
	Project: Better Generalization of Counselor Response Generation to Unseen Topics with Reinforcement Learning Developed a policy gradient-based RL framework in conjunction with a custom-designed reward model for generating counselor reflections in the Motivational Interviewing (MI) framework	
	Project: Insights from Attacking Interpretable Models Investigated Style Transfer and Input Thresholding as a means to make deep learning models more robust against adversarial attacks on images	
	Project: Using NEAT + ES to Play Games Approached the problem of playing “Flappy Bird” game via evolutionary strategy along with the neuroevolution of augmenting topologies method.	
	Project: Finite State Transducer for Korean in Apertium Developed a tool for morphological analysis and generation, and part-of-speech tagging of Korean	

Work Experience	Amazon Alexa, Seattle <i>05/2022 - 08/2022</i> Applied Science Intern Project: Adaptive endpointing for automatic speech recognition for voice assistants
	Samsung Research Center, Seoul <i>06/2016 - 08/2016</i> Intern, Smart Mobile Application Development Team Project: Human activity recognition with smartphones for the SmartHome App by Samsung
Awards and Fellowships	Surdna Foundation Fellowship <i>2017</i> Granted for undergraduate research in computer science
	Member of Sigma Xi, The Scientific Research Honor Society <i>2017</i> Inducted for undergraduate research work
Research Interests	Machine Learning, Natural Language Processing, Conversational Understanding & Generation, Reinforcement Learning & NLP

Publications

1. Do June Min, Verónica Pérez-Rosas, Kenneth Resnicow, and Rada Mihalcea. PAIR: Prompt-aware margin ranking for counselor reflection scoring in motivational interviewing. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2022
2. Do June Min, Verónica Pérez-Rosas, and Rada Mihalcea. Evaluating automatic speech recognition quality and its impact on counselor utterance coding. In *Proceedings of the Seventh Workshop on Computational Linguistics and Clinical Psychology: Improving Access*, 2021
3. Do June Min, Veronica Perez-Rosas, Shihchen Kuo, William H. Herman, and Rada Mihalcea. UPSTAGE: Unsupervised context augmentation for utterance classification in patient-provider communication. In *Proceedings of the 5th Machine Learning for Healthcare Conference*, 2020
4. Do June Min, Andreas Stolcke, Anirudh Raju, Colin Vaz, Di He, Venkatesh Ravichandran, and Viet Anh Trinh. Adaptive endpointing with deep contextual multi-armed bandits. Under review at *2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*
5. Do June Min, Verónica Pérez-Rosas, and Rada Mihalcea. Dialog-aware pretraining for utterance classification in medical conversations. Under review at *2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*

Languages And Skills	• Languages: Korean (native), English (Proficient)
	• Programming Languages: Python, C++, Java
	• Machine Learning Framework: PyTorch, Tensorflow, Keras