

# Do June Min

University of Michigan

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

<b>Education</b>	<b>University of Michigan</b> PhD Candidate in Computer Science	<i>2020 -</i>
	<b>University of Michigan</b> MS in Computer Science, GPA: 3.934	<i>2018 - 2020</i>
	<b>Swarthmore College</b> BSc, Computer Science & Mathematics, GPA: 3.86	<i>2012 - 2018</i>
	<b>Korean Minjok Leadership Academy</b>	<i>2009 - 2012</i>
<b>Research Experience</b>	<b>Research Assistant, University of Michigan</b> 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>
	<b>Research Assistant, Swarthmore College</b> Topic: Cybersecurity game model with imperfect observation	<i>05/2017 - 08/2017</i>
	<b>Project: Better Generalization of Counselor Response Generation to Unseen Topics with Reinforcement Learning</b> 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	
	<b>Project: Insights from Attacking Interpretable Models</b> Investigated Style Transfer and Input Thresholding as a means to make deep learning models more robust against adversarial attacks on images	
	<b>Project: Using NEAT + ES to Play Games</b> Approached the problem of playing “Flappy Bird” game via evolutionary strategy along with the neuroevolution of augmenting topologies method.	
	<b>Project: Finite State Transducer for Korean in Apertium</b> Developed a tool for morphological analysis and generation, and part-of-speech tagging of Korean	

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

## Publications

1. 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. Accepted for presentation at *2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*
2. 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
3. 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
4. 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

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