

Do June Min

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Education

University of Michigan

PhD Candidate in Computer Science
Start Date: Fall Semester, 2020

University of Michigan

MS in Computer Science
GPA: 3.934, Graduation Date: May 2020

Swarthmore College

BSc, Double Major in Computer Science and Mathematics
GPA: 3.86, Graduation Date: May 2018

Korean Minjok Leadership Academy

Graduation Date: February 2012

Academic Experience

Research at Language and Information Technologies, University of Michigan with Professor Rada Mihalcea, Dr Veronica Perez-Rosas

Topic: Analyzing Patient-Nurse Conversations in a Comparative Effectiveness Study for Glycemia Reduction Approaches in Diabetes

September 2019 - Present

Summer Research at Swarthmore College

Topic: Cybersecurity game model with imperfect observation

May 2017 - August 2017

Work Experience

Amazon Alexa, Seattle

Applied Science Intern

Project: Personalized & Contextualized Endpointing for Automatic Speech Trnscription

May 2022 - August 20202

University of Michigan

Research Assistant on NIH-funded project

Project: Analyzing Patient-Nurse Conversations in a Comparative Effectiveness Study for Glycemia Reduction Approaches in Diabetes

September 2019 - July 2020

Samsung Research Center, Seoul

Intern, Smart Mobile Application Development Team

Project: Human Activity Recognition with Smartphones for SmartHome App

June 2016 - August 2016

Awards and
Fellowships

Surdna Foundation Fellowship

Granted for Summer Research with Swarthmore Faculty Member, 2017

Member of Sigma Xi, The Scientific Research Honor Society

Inducted for Research Work with Faculty Member, 2017

Projects

Research: 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

Research: 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.

Development: Finite State Transducer for Korean in Apertium

Developed a tool for morphological analysis and generation, and Part-Of-Speech tagging of Korean

Programming Languages
and Frameworks

Python, C++, Java

Research Interests

Machine Learning, Natural Language Processing

Publication

1. 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. *Proceedings of Machine Learning Research*, 2020
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*, pages 159–168, Online, June 2021. Association for Computational Linguistics