

# Jeongyeob Hong

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## Research interests

Natural Language Generation, Semantic Representation, Ethics in AI,  
Linguistics Bias, Multilingual NLP

## Education

2016 – Present     **Macalester College** – St.Paul, MN  
BA in Linguistics, Computer Science  
Advisor: Christina Esposito, Susan Fox. *GPA: 3.80.*

## Research experience

Jun 2020     **Conversational Agent for Daily Living Assessment Coaching (CADLAC)**  
– Sep 2020     Mentors: Dr. Serguei Pakhomov (University of Minnesota).  
Built a medical ontology for a multi-modal chatbot which impersonates human patients with various levels of disability in daily living tasks. Projects Paper available [here](#).

Mar 2020     **Yonsei Institute of Language and Information Studies**  
– Sep 2020     Mentors: Dr. Hansaem Kim (Yonsei University).  
Annotated and established annotation guideline for building Korean Abstract Meaning Representation Corpus. Summary of findings available [here](#).  
Established annotation guideline and built zero-anaphora corpus in Korean

## Teaching experience

Sep 2020     **Supervising Writing Tutor (Macalester College)**  
– Present     Tutored students from multiple academic disciplines to improve arguments and organization. Supervised other student tutors about educational pedagogy.

Jan 2022     **Teaching assistant, COMP 128: Object-Oriented Programming (Macalester College)**  
– Present     Hosted study sessions on concepts of data structures and object-oriented programming in Java.

Sep 2017      **Writing Tutor (Macalester College)**  
- May 2018      Provided comprehensive verbal and written feedback on undergraduate student's writing in an hour long consulting sessions

## Work experience

Jul 2018      **Sergeant (Republic of Korea Army)** – Daegu, South Korea  
- Mar 2020      Served in intelligence branch (G2) and Command and Control Center (CCC) of 2nd Operation Command (2OC). Specialized in Battlefield Intelligence and intercommunication between US-ROK Generals and Officers during armistices and Joint Exercises

Dec 2017      **GogyUp (Linguistic Research Intern)** – St.Paul, MN  
- May 2018      Analyzed English phonemes and graphemes used in company's language learning app, reported incorrect transcriptions, and proposed revisions based on English phonological rules

## Technical skills

### Programming languages

Proficient in: Python, R, Pytorch, TensorFlow

Familiar with: Java, SQL, Linux, C/C++, HTML, CSS, Javascript

### Software

LaTeX, Git, Praat

### Languages

Native: Korean

Fluent: English

Basic: Spanish, Latin, Jeju Language

Research Knowledge: Amharic, Basque

## Other interests

Fiction Writing, Lacrosse, Reading