

EUNJEONG HWANG

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Education

University of British Columbia <i>PhD, Computer Science</i>	Sep. 2022 - Present 4.0/4.0
University of Massachusetts-Amherst <i>MS, Computer Science</i>	Sep. 2019 - May. 2021 3.67/4.0
Kwangwoon University <i>BS, Computer Science</i>	Mar. 2014 - Feb. 2018 3.82/4.5

Research Experience

University of British Columbia <i>Research Assistant, Advised by Vered Shwartz</i> <ul style="list-style-type: none">Research on incorporating implicit contexts into large language models.	Sep. 2022 - Present Vancouver, BC
Google AI <i>Research Intern (Host: Yichao Zhou, Beliz Gunel)</i> <ul style="list-style-type: none">Research on incremental structured summaries and resolving knowledge conflicts.	Jan. 2024 - Present MTV, CA
MIT-IBM Research <i>Research Intern (Host: Veronika Thost, Dan Gutfreund)</i> <ul style="list-style-type: none">Research on reasoning subjective opinions using graph structures.	Jul. 2023 - Nov.2023 Boston, MA
Allen Institute for AI (AI2) <i>Research Collaborator (Mentor: Bodhisattwa Prasad Majumder, Niket Tandon)</i> <ul style="list-style-type: none">Research on aligning language models to user opinions.	Apr. 2023 - Dec.2023 Remote
UMass Amherst-IBM <i>Graduate Student Researcher (Mentor: Veronika Thost, Tengfei Ma)</i> <ul style="list-style-type: none">Research on virtual node augmented graph neural networks (GNN) for link prediction tasks.	Feb. 2021 - Oct.2021 Remote
Information Extraction & Synthesis Lab (IESL), UMass Amherst <i>Graduate Student Researcher (Mentor: Jay-Yoon Lee, Michael Boratko)</i> <ul style="list-style-type: none">Research on box embeddings for relation extraction and question-answering tasks.	Jan. 2020 - Aug.2021 Amherst, MA

Work Experience

Naver Corp. <i>Software Engineer in Knowledge Base team</i> <ul style="list-style-type: none">Constructed a knowledge graph based on regional district information, such as restaurants, festivals, and exhibitions, and expanded search queries using neo4j along with developing a weather-related search system.	Mar. 2021 - Jun. 2022 Seongnam, Korea
IBM <i>Application Developer</i> <ul style="list-style-type: none">Stock Market Predictions using AI, Shinhan Financial Group: Extracted financial text patterns using a rule-based Watson solution and constructed a financial keyword graph by extracting important phrases in retrieved news.Information System Audit, Standard Chartered Bank: Maintained and improved functionality of bank surveillance system and bank branch audit system.Learning Platform Development, Hanwha: Implemented basic functions on the learning platform, including search, paging, listing, and export, and participated in all phases of the project from requirement specifications to user acceptance testing with clients.	Jan. 2018 - Apr. 2019 Seoul, Korea
IBM <i>Application Developer Intern</i> <ul style="list-style-type: none">Designed database tables and developed the learning platform websites in accordance with user interface design.	Sep. 2017 - Dec. 2017 Seoul, Korea

Publications

- A Graph per Persona: Reasoning about Subjective Natural Language Descriptions **In submission**
EunJeong Hwang, Anonymous
- MemeCap: A Dataset for Captioning and Interpreting Memes **EMNLP 2023**
EunJeong Hwang, Vered Shwartz
- Aligning Language Models to User Opinions **EMNLP-Findings 2023**
EunJeong Hwang, Bodhisattwa Prasad Majumder, Niket Tandon
- Knowledge Graph Compression Enhances Diverse Commonsense Generation **EMNLP 2023**
EunJeong Hwang, Veronika Thost, Vered Shwartz, Tengfei Ma
- An Analysis of Virtual Nodes in Graph Neural Networks for Link Prediction (Extended Abstract) **LoG 2022 (Oral)**
EunJeong Hwang, Veronika Thost, Shib Sankar Dasgupta, Tengfei Ma
- Event-Event Relation Extraction using Probabilistic Box Embedding **ACL 2022**
EunJeong Hwang, Jay-yoon Lee, Tianyi Yang, Dhruvesh Patel, Dongxu Zhang, Andrew McCallum

Teaching Experience

- Guest lecture about Multimodal Commonsense in CPSC 532V (Prof. Vered Shwartz) **Feb. 2024**
 - Lectured about tasks requiring commonsense beyond textual modalities, recent vision-language models, and their future directions.
- Grader for CS685 Advanced Natural Language Processing (Prof. Brendan O'Connor) **Feb. 2021 - May. 2021**
 - Grade students' assignments, provide feedback, and help them out to solve confusion on class material.

Invited Talks

- Invited talk at UT Austin (Host: Prof. Jessy Li at LIN 393) **Feb 8, 2024**
 - Talk about Aligning language models to user opinions.

Services

- Workshop Co-Organizer
1st Personalization of Generative AI workshop (PERSONALIZE @ EACL 2024)
- Reviewer
2024: ARR-ACL 2024, *SEM 2024, The First Workshop on Data Contamination (CONDA 2024), AAAI Workshop on Responsible Language Models (ReLM 2024)
- Departmental Service
UBC CS: Admission Committee Member for the CSE Ph.D. Program (2022)

Technical Skills

Programming: Python, Java
Packages: PyTorch