

EUNJEONG HWANG

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Education

University of British Columbia

PhD, Computer Science

Sep. 2022 - Present

4.0/4.0

University of Massachusetts-Amherst

MS, Computer Science

Sep. 2019 - May. 2021

3.67/4.0

Kwangwoon University

BS, Computer Science

Mar. 2014 - Feb. 2018

3.82/4.5

Research Experience

University of British Columbia

Research Assistant, Advised by Vered Shwartz

Sep. 2022 - Present

Vancouver, BC

- Research about incorporating extra-linguistic contexts (e.g. facial expressions, demographics, cultural background, gestures, etc) into large multimodal models.

Google DeepMind

Research Intern (Host: Yichao Zhou, Beliz Gunel)

Jan. 2024 - Jun. 2024

MTV, CA

- Research on incremental structured summaries and resolving knowledge conflicts.
- Two papers (SUMIE: A Synthetic Benchmark for Incremental Entity Summarization & Enhancing Incremental Summarization with Structured Representations) accepted at EMNLP 2024 and COLING 2025.

MIT-IBM Research

Research Intern (Host: Veronika Thost, Dan Gutfreund)

Jul. 2023 - Nov.2023

Boston, MA

- Research on reasoning subjective opinions using graph structures.
- ‘A Graph per Persona: Reasoning about Subjective Natural Language Descriptions’ accepted at ACL-Findings 2024.

Allen Institute for AI (AI2)

Research Collaborator (Mentor: Bodhisattwa Prasad Majumder, Niket Tandon)

Apr. 2023 - Dec.2023

Remote

- Research on aligning language models to user opinions.
- ‘Aligning Language Models to User Opinions’ accepted at EMNLP-Findings 2023.

UMass Amherst-IBM

Graduate Student Researcher (Mentor: Veronika Thost, Tengfei Ma)

Feb. 2021 - Oct.2021

Remote

- Research on virtual node augmented graph neural networks (GNN) for link prediction tasks.
- ‘An Analysis of Virtual Nodes in Graph Neural Networks for Link Prediction (Extended Abstract)’ accepted as a spotlight at LoG 2022.

Information Extraction & Synthesis Lab (IESL), UMass Amherst

Graduate Student Researcher (Mentor: Jay-Yoon Lee, Michael Boratko)

Jan. 2020 - Aug.2021

Amherst, MA

- Research on box embeddings for relation extraction and question-answering tasks.
- ‘Event-Event Relation Extraction using Probabilistic Box Embedding’ accepted at ACL 2022.

Work Experience

Naver Corp.

Software Engineer in Knowledge Base team

Mar. 2021 - Jun. 2022

Seongnam, Korea

- 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.

IBM

Application Developer

Jan. 2018 - Apr. 2019

Seoul, Korea

- 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.

IBM

Application Developer Intern

Sep. 2017 - Dec. 2017

Seoul, Korea

- Designed database tables and developed the learning platform websites in accordance with user interface design.

Publications (* denotes equal contribution)

BottleHumor: Self-Informed Humor Explanation using the Information Bottleneck Principle EunJeong Hwang , Peter West, Vered Shwartz	In Submission
SUMIE: A Synthetic Benchmark for Incremental Entity Summarization EunJeong Hwang* , Yichao Zhou*, Beliz Gunel, James Bradley Wendt, Sandeep Tata	COLING 2025
From Local Concepts to Universals: Evaluating the Multicultural Understanding of Vision-Language Models Mehar Bhatia, Sahithya Ravi, Aditya Chinchure, EunJeong Hwang , Vered Shwartz	EMNLP 2024
Enhancing Incremental Summarization with Structured Representations EunJeong Hwang , Yichao Zhou, James Bradley Wendt, Beliz Gunel, Nguyen Vo, Jing Xie, Sandeep Tata	EMNLP-Findings 2024
A Graph per Persona: Reasoning about Subjective Natural Language Descriptions EunJeong Hwang , Vered Shwartz, Dan Gutfreund, Veronika Thost	ACL-Findings 2024
MemeCap: A Dataset for Captioning and Interpreting Memes EunJeong Hwang , Vered Shwartz	EMNLP 2023
Aligning Language Models to User Opinions EunJeong Hwang , Bodhisattwa Prasad Majumder, Niket Tandon	EMNLP-Findings 2023
Knowledge Graph Compression Enhances Diverse Commonsense Generation EunJeong Hwang , Veronika Thost, Vered Shwartz, Tengfei Ma	EMNLP 2023
An Analysis of Virtual Nodes in Graph Neural Networks for Link Prediction (Extended Abstract) EunJeong Hwang , Veronika Thost, Shib Sankar Dasgupta, Tengfei Ma	LoG 2022 (Oral)
Event-Event Relation Extraction using Probabilistic Box Embedding EunJeong Hwang , Jay-yoon Lee, Tianyi Yang, Dhruvesh Patel, Dongxu Zhang, Andrew McCallum	ACL 2022

Teaching Experience

TA for CPSC 532V Commonsense Reasoning (Prof. Vered Shwartz) • Help and grade students' assignments and projects.	Jan. 2025 - Apr. 2025
Guest lecture about Multimodal Commonsense in CPSC 532V Commonsense Reasoning (Prof. Vered Shwartz) • Lectured about tasks requiring commonsense beyond textual modalities, recent vision-language models, and their future directions.	Feb. 2024
Grader for CS685 Advanced Natural Language Processing (Prof. Brendan O'Connor) • Grade students' assignments, provide feedback, and help them out to solve confusion on class material.	Feb. 2021 - May. 2021

Invited Talks

Invited talk at Seoul National University (Host: Prof. Jay-yoon Lee) • Talk about 'Can L(V)LMs reason on extra-linguistic contexts?'	Sep 9, 2024
Career Panel Discussion at UMass-Amherst (Host: Prof. Andrew McCallum at 696DS) • Discussion about the career choice between Industry and PhD program for Master's students.	Apr. 26, 2024
Invited talk at UT Austin (Host: Prof. Jessy Li at LIN 393) • Talk about Aligning language models to user opinions.	Feb 8, 2024

Services

Workshop Co-Organizer • Future of NLP Workshop at UBC (pre-NeurIPS event) • 1st Personalization of Generative AI workshop (PERSONALIZE @ EACL 2024)	
Reviewer/Program Committee • ARR (2024-), *SEM 2024, CIKM 2024, The First Workshop on Data Contamination (CONDA 2024), AAAI Workshop on Responsible Language Models (ReLM 2024)	
Other Service • Vector institute Scholarship Adjudication Committee 2025-2026 • UBC CS: Admission Committee Member for the CSE Ph.D. Program (2022)	
Mentoring • Mentor and judge @ cmd-f: Western Canada's largest hackathon for underrepresented genders in tech (2025)	

Technical Skills

Programming: Python, Java

Packages: PyTorch

Hobbies

Kick boxing, Scuba diving, Running, Hiking