Dongyeop Kang

412·736·4873 ⋄ dongyeop@umn.edu ⋄ dykang.github.io

259 Shepherd, 200 Union Street SE, Minneapolis, MN, 55455

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PROFESSIONAL EMPLOYMENT HISTORY

- 2021 – present: Assistant Professor, University of Minnesota, Twin Cities
- 2022 – present: Naver Scholar, Naver Search US, Seattle, WA
- 2020 – 2021: Postdoctoral Scholar – University of California, Berkeley (PI: Marti A. Hearst)
- 2015 – 2020: Research Assistant – Carnegie Mellon University (PI: Eduard Hovy)
- 2018 Summer: Research Intern – Facebook AI Research, Menlo Park, CA
- 2017 Summer: Research Intern – Allen Institute for Artificial Intelligence (AI2), Seattle, WA
- 2016 Summer: Research Intern – Microsoft Research, Redmond, WA
- 2014 – 2015: Researcher (alternative military service) – Naver Labs, Seongnam, Korea
- 2012 – 2014: Researcher (alternative military service) – KAIST Institute, Daejeon, Korea
- 2014 Summer: Research Intern – Oracle Labs, Redwood City, CA
- 2013 Summer: Research Intern – IBM T. J. Watson, Yorktown, NY
- 2011: Visiting Researcher – Hong Kong University of Science and Technology, Hong Kong
- 2010 Summer: Research Intern – Microsoft Research, Redmond, WA
- 2009 – 2010: Research Intern – Microsoft Research Asia, Beijing, China

EDUCATION

Carnegie Mellon University   *2020*
Ph.D., Language Technology Institute, School of Computer Science
Thesis: *Linguistically Informed Language Generation: A Multifaceted Approach*
Advisor: Eduard Hovy
Committee: Jeffrey Bigham, Alan W Black, Jason Weston, Dan Jurafsky

Korea Advanced Institute of Science and Technology (KAIST)   *2010*
B.S. and M.S., Computer Science Engineering

AWARDS AND HONORS

- 2023 Cisco Research Award
- 2023 Accenture Research Gift Award
- 2022-2023 3M Non-tenured Faculty Award (NTFA)
- 2022 Best paper award, In2Writing workshop at ACL
- 2022 Sony Research Faculty Innovation Award
- 2018 Top Reviewers, NeurIPS and ACL
- 2018 Allen Institute for AI Research Fellowship
- 2016 CMU Presidential Fellowship
- 2013 SMBA Startup Investment Prize
- 2011 ILJU Foundation Ph.D. Scholarship
- 2007 Summa Cum Laude, KAIST

GRANTS AND RESEARCH GIFTS

- UMN Clinical and Translational Science Institute (CTSI) ($50,000), Co-PI (/w Jennifer Needle, Gwenyth Fischer)
- 2023 Computing Grant from Cohere AI ($5,000), Google Cloud ($6,000), Oracle Cloud ($1,000), and Amazon Web Service ($5,000)

- 2023 Grant from Cisco Research, PI ($175,000)
- 2023 Gift from Accenture Labs, PI ($85,000)
- 2023 Gift from UMN Early Innovation Fund, PI ($10,431)
- 2022, 2023 Gift from 3M, PI ($15,000/year)
- 2023 MnRI Seed Grant, PI: Karthik Desingh, Co-PI: Dongyeop Kang ($40,000)
- 2022 Gift from Grammarly Research, PI ($140,000)
- 2022 Grant from Sony Research, PI ($100,000)
- 2021 - 2024 Setup grant from University of Minnesota

SERVICE AND PUBLIC OUTREACH

Program Chairs and Organizers
- Steering committee, Workshop on Customizable NLP: Progress and Challenges in Customizing NLP for a Domain, Application, Group, or Individual (CustomNLP4U)
- Senior PC, Association for the Advancement of Artificial Intelligence (AAAI) 2023
- Area Chair (Machine Learning in NLP), EMNLP (Conference on Empirical Methods in Natural Language Processing) 2023
- Co-organizer, Minnesota NLP Seminar, 2021 Fall - present
- Co-organizer, Workshop on "Intelligent and Interactive Writing Assistants (In2Writing)" at ACL 2022 and CHI 2023
- Co-organizer, First Workshop on "CtrlGen: Controllable Generative Modeling in Language and Vision" at NeurIPS 2021

Program Committees (Conferences)
- 2021-2022, ACL Rolling Review
- 2018-2021, ACL (Association for Computational Lingustics)
- 2019, 2022, NAACL (Annual Conference of the North American Chapter of the Association for Computational Linguistics)
- 2018-2021, EMNLP (Conference on Empirical Methods in Natural Language Processing)
- 2018-2021, NeurIPS (Conference on Neural Information Processing Systems)
- 2019-2021, ICLR (International Conference on Learning Representations)
- 2019, ICML (International Conference on Machine Learning)

Program Committees (Workshops and Journals)
- 2018, MRQA (Machine Reading for Question Answering) workshop
- 2019, WNUT (Workshop on Noisy User-generated Text) workshop
- 2019, Scientometrics (International Journal for all Quantitative Aspects of the Science of Science, Communication in Science and Science Policy)

Department and University Service
- 2021-2022, Admissions Committee, University of Minnesota
- 2023-Present, Curriculum Committee, University of Minnesota

PUBLICATIONS

Dissertations

D1 Dongyeop Kang, "Linguistically Informed Language Generation: A Multifaceted Approach", Committees: Eduard Hovy, Jeffrey Bigham, Alan W Black, Jason Weston, Dan Jurafsky, PhD Dissertation 2020

Archived Preprints (under review)

A7 Shirley Anugrah Hayati, Minhwa Lee, Dheeraj Rajagopal, Dongyeop Kang , "How Far Can We Extract Diverse Perspectives from Large Language Models? Criteria-Based Diversity Prompting!"
https://https://arxiv.org/abs/2311.09799

A6 Debarati Das, Ishaan Gupta, Jaideep Srivastava, Dongyeop Kang , "Which Modality should I use – Text, Motif, or Image? : Understanding Graphs with Large Language Models "
https://arxiv.org/abs/2311.09862

A5 Ryan Koo, Minhwa Lee, Vipul Raheja, Jong Inn Park, Zae Myung Kim, Dongyeop Kang, "Benchmarking Cognitive Biases in Large Language Models as Evaluators"
https://arxiv.org/abs/2309.17012

A4 Hao Zou, Zae Myung Kim, Dongyeop Kang, "Diffusion Models in NLP: A Survey"
https://arxiv.org/abs/2305.14671

A3 Anna Martin-Boyle, Andrew Head, Kyle Lo, Risham Sidhu, Marti A Hearst, Dongyeop Kang, "Complex Mathematical Symbol Definition Structures: A Dataset and Model for Coordination Resolution in Definition Extraction" https://arxiv.org/abs/2305.14660

A2 Zae Myung Kim, David E Taylor, Dongyeop Kang, ""Is the Pope Catholic?" Applying Chain-of-Thought Reasoning to Understanding Conversational Implicatures" https://arxiv.org/abs/2305.13826

A1 Kyumin Park, Keon Lee, Daeyoung Kim, Dongyeop Kang, "RedPen: Region- and Reason-Annotated Dataset of Unnatural Speech", arxiv.org/abs/2210.14406

Refereed Conference/Workshop Proceedings

C50 Zhecheng Sheng, Tianhao Zhang, Chen Jiang, Dongyeop Kang, "BBScore: A Brownian Bridge Based Metric for Assessing Text Coherence" Thirty-Eighth AAAI Conference on Artificial Intelligence (AAAI) 2024

C49 Ryan Koo, Yekyung Kim, Dongyeop Kang, Jaehyung Kim "Meta-Crafting : Improved Detection of OOD Texts via Crafting Metadata Space" Thirty-Eighth AAAI Conference on Artificial Intelligence (AAAI) 2024 (Student Abstract)

C48 Hyungjoo Chae, Yongho Song, Kai Tzu-iunn Ong, Taeyoon Kwon, Minjin Kim, Youngjae Yu, Dongha Lee, Dongyeop Kang, Jinyoung Yeo, "Dialogue Chain-of-Thought Distillation for Commonsense-aware Conversational Agents" Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2023

C47 Vipul Raheja, Dhruv Kumar, Ryan Koo, Dongyeop Kang, "CoEdIT: Text Editing by Task-specific Instruction Tuning" Findings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2023

C46 Karin de Langis, Dongyeop Kang, "A Comparative Study on Textual Saliency of Styles from Eye Tracking, Annotations, and Language Models", The SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2023

C45 Risako Owan, Maria Gini, Dongyeop Kang, "Quirk or Palmer: A Comparative Study of Modal Verb Frameworks with Annotated Datasets", The SIGNLL Conference on Computational Natural Language Learning (CoNLL) 2023

C44 London Lowmanstone*, Ruyuan Wan*, Risako Owan, Jaehyung Kim, Dongyeop Kang "Annotation Imputation to Individualize Predictions: Initial Studies on Distribution Dynamics and Model Predictions", Workshop on Perspectivist Approaches to NLP (NLPerspectives) @ECAI 2023

C43 Daechul Ahn, Daneul Kim, Gwangmo Song, Seung Hwan Kim, Honglak Lee, Dongyeop Kang, Jonghyun Choi "Story Visualization by Online Text Augmentation with Context Memory", Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV) 2023

C42 Katie Kim, Bugil Chang, Debarati Das, Smitha Muthya, Jisu Huh, Dongyeop Kang, Jaideep Srivastava "Rebuilding Social Connection and Enhancing Advertising Effects Through the Nostalgic Appeal during the Pandemic", Association for Education in Journalism and Mass Communication (AEJMC) 2023

C41 Rose Neis, Karin de Langis, Zae Myung Kim, Dongyeop Kang "An Analysis of Reader Engagement in Literary Fiction through Eye Tracking and Linguistic Features", Workshop on Narrative Understanding (WNU) @ACL 2023

C40 Jaehyung Kim, Yekyung Kim, Karin De Langis, Jinwoo Shin, and Dongyeop Kang "A Universal Framework for Dataset Characterization with Multidimensional Meta-information", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2023

C39 Haneul Yoo, Rifki Afina Putri, Changyoon Lee, Youngin Lee, So-Yeon Ahn, Dongyeop Kang, Alice Oh "Rethinking Annotation: Can Language Learners Contribute?", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2023

C38 Debarati Das, David Ma, Dongyeop Kang "Balancing Effect of Training Dataset Distribution of Multiple Styles for Multi-Style Text Transfer", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) Findings 2023

C37 Jaehyung Kim, Jinwoo Shin, Dongyeop Kang "Prefer to Classify: Improving Text Classifiers via Auxiliary Preference Learning", International Conference on Machine Learning (ICML) 2023

C36 Ryan Hyunkyo Koo*, Anna Martin*, Linghe Wang, Dongyeop Kang, "Decoding the End-to-end Writing Trajectory in Scholarly Manuscripts", In2Writing @CHI 2023

C35 Taehee Jung, Joo-Kyung Kim, Sungjin Lee, Dongyeop Kang, "Cluster-Guided Label Generation in Extreme Multi-Label Classification", Conference of the European Chapter of the Association for Computational Linguistics (EACL) 2023

C34 Shirley Anugrah Hayati, Kyumin Park, Dheeraj Rajagopal, Lyle Ungar, Dongyeop Kang, "StyLEx: Explaining Styles with Lexicon-Based Human Perception", Conference of the European Chapter of the Association for Computational Linguistics (EACL) 2023

C33 Ruyuan Wan, Jaehyung Kim, Dongyeop Kang. "Everyone's Voice Matters: Quantifying Annotation Disagreement Using Demographic Information", Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI) 2023 Oral

C32 Kyle Lo, Joseph Chee Chang, Andrew Head, Jonathan Bragg, Amy X. Zhang, Cassidy Trier, Chloe Anastasiades, Tal August, Russell Authur, Danielle Bragg, Erin Bransom, Isabel Cachola, Stefan Candra, Yoganand Chandrasekhar, Yen-Sung Chen, Evie Yu-Yen Cheng, Yvonne Chou, Doug Downey, Rob Evans, Raymond Fok, Fangzhou Hu, Regan Huff, Dongyeop Kang, Tae Soo Kim, Rodney Kinney, Aniket Kittur, Hyeonsu Kang, Egor Klevak, Bailey Kuehl, Michael Langan, Matt Latzke, Jaron Lochner, Kelsey MacMillan, Eric Marsh, Tyler Murray, Aakanksha Naik, Ngoc-Uyen Nguyen, Srishti Palani, Soya Park, Caroline Paulic, Napol Rachatasumrit, Smita Rao, Paul Sayre, Zejiang Shen, Pao Siangliulue, Luca Soldaini, Huy Tran, Madeleine van Zuylen, Lucy Lu Wang, Christopher Wilhelm, Caroline Wu, Jiangjiang Yang, Angele Zamarron, Marti A. Hearst, Daniel S. Weld. "The Semantic Reader Project: Augmenting Scholarly Documents through AI-Powered Interactive Reading Interfaces" Communications of ACM (CACM) 2023

C31 Zae Myung Kim, Wanyu Du, Vipul Raheja, Dhruv Kumar, Dongyeop Kang. "Improving Iterative Text Revision by Learning Where to Edit from other Revision Tasks", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2022

C30 Wanyu Du, Vipul Raheja, Dhruv Kumar, Zae Myung Kim, Melissa Lopez, Dongyeop Kang. "Understanding Iterative Revision from Human-Written Text.", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2022

C29 Jaehyung Kim, Dongyeop Kang, Sungsoo Ahn, Jinwoo Shin. "What Makes Better Augmentation Strategies? Augment Difficult but Not too Different", International Conference on Learning Representations (ICLR) 2022

C28 Ruyuan Wan, Naome Etori, Karla Badillo-Urquiola, Dongyeop Kang , "User or Labor: An Interaction Framework for Human-Machine Relationships in NLP", Workshops on Data Science with Human in the Loop (DaSH) @EMNLP 2022

C27 Wanyu Du*, Zae Myung Kim*, Vipul Raheja, Dhruv Kumar, Dongyeop Kang (*equal contribution), "Read, Revise, Repeat: A System Demonstration for Human-in-the-loop Iterative Text Revision", In2Writing @ACL 2022, Best paper award

C26 Hayati, Shirley Anugrah, Dongyeop Kang and Lyle Ungar. "Does BERT Learn as Humans Perceive? Understanding Linguistic Styles through Lexica.", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2021

C25 Hwiyeol Jo, Dongyeop Kang, Andrew Head, Marti A. Hearst, "Modeling Mathematical Notation Semantics in Academic Papers ", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) Findings, 2021

C24 Jinwoo Nam, Daechul Ahn, Dongyeop Kang, Seong Jong Ha, Jonghyun Choi, "Zero-Shot Natural Language Video Localization", Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV) 2021 Oral (Top 3%)

C23 Dongyeop Kang, Eduard Hovy, "Style is NOT a single variable: Case Studies for Cross-Stylistic Language Understanding", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2021 Oral

C22 Andrew Head, Kyle Lo, Dongyeop Kang, Raymond Fok, Sam Skjonsberg, Daniel S. Weld, Marti A. Hearst, "Augmenting Scientific Papers with Just-in-Time, Position-Sensitive Definitions of Terms and Symbols", ACM Conference on Human Factors in Computing Systems (CHI) 2021

C21 Dongyeop Kang, Eduard Hovy, "Plan ahead: Self-Supervised Text Planning for Paragraph Completion Task", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2020 Oral

C20 Zae Myung Kim, Vassilina Nikoulina, Dongyeop Kang, Didier Schwab, Laurent Besacier. "Visualizing Cross-Lingual Discourse Relations in Multilingual TED Corpora", CODI @EMNLP 2021

C19 Dyah Adila, Dongyeop Kang, "Understanding Out-of-distribution: A Perspective of Data Dynamics", ICBINB @NeurIPS 2021

C18 Shirley Anugrah Hayati, Dongyeop Kang, Qingxiaoyang Zhu, Weiyan Shi, Zhou Yu, "INSPIRED: Toward Sociable Recommendation Dialog Systems", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2020

C17 Taehee Jung, Dongyeop Kang, Hua Cheng, Lucas Mentch, Thomas Schaaf, "Posterior Calibrated Training on Sentence Classification Tasks", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2020

C16 Steven Y. Feng*, Varun Gangal*, Dongyeop Kang, Teruko Mitamura, Eduard Hovy, "GenAug: Data Augmentation for Finetuning Text Generators", DeeLIO Workshop @EMNLP 2020

C15 Dongyeop Kang, Andrew Head, Risham Sidhu, Kyle Lo, Daniel Weld, Marti A. Hearst, "Document-Level Definition Detection in Scholarly Documents: Existing Models, Error Analyses, and Future Directions", SDP Workshop @EMNLP 2020

C14 Dongyeop Kang*, Taehee Jung*, Lucas Mentch, Eduard Hovy (*equal contribution), "Earlier Isn't Always Better: Sub-aspect Analysis on Corpus and System Biases in Summarization", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2019

C13 Dongyeop Kang, Anusha Balakrishnan, Pararth Shah, Paul Crook, Y-Lan Boureau, Jason Weston, "Recommendation as a Communication Game: Self-Supervised Bot-Play for Goal-oriented Dialogue", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2019

C12 Dongyeop Kang, Varun Gangal, Eduard Hovy, "(Male, Bachelor) and (Female, Ph.D) have different connotations: Parallelly Annotated Stylistic Language Dataset with Multiple Personas", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2019 Oral

C11 Dongyeop Kang, Hiroaki Hayashi, Alan W Black, Eduard Hovy, "Linguistic Versus Latent Relations for Modeling Coherent Flow in Paragraphs", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2019

C10 Dongyeop Kang, Tushar Khot, Ashish Sabharwal, Peter Clark, "Bridging Knowledge Gaps in Neural Entailment via Symbolic Models", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2018

C9 Dongyeop Kang, Tushar Khot, Ashish Sabharwal, Eduard Hovy, "AdvEntuRe: Adversarial Training for Textual Entailment with Knowledge-Guided Examples", Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL) 2018

C8 Dongyeop Kang, Waleed Ammar, Bhavana Dalvi, Madeleine van Zuylen, Sebastian Kohlmeier, Eduard Hovy, Roy Schwartz, "A Dataset of Peer Reviews (PeerReaD): Collection, Insights and NLP Applications", Proceedings of the 2018 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL) 2018

C7 Chu-Cheng Lin, Dongyeop Kang, Michael Gamon, Madian Khabsa, Ahmed Hassan Awadallah, Patrick Pantel, "Actionable email intent modeling with reparametrized RNN", Association for the Advancement of Artificial Intelligence (AAAI) 2018

C6 Dongyeop Kang, Varun Gangal, Ang Lu, Zheng Chen, Eduard Hovy, "Detecting and Explaining Causes From Text For a Time Series Event", Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2017

C5 Jung-Woo Ha, Dongyeop Kang, Hyuna Pyo, Jeonghee Kim, "News2Images: Automatically Summarizing News Articles into Image-Based Contents via Deep Learning", INRA Workshop @RecSys 2015

C4 Dongyeop Kang, DongGyun Han, Na Hea Park, Sangtae Kim, U Kang, Soobin Lee, "Eventera: Real-time Event Recommendation System from Massive Heterogeneous Online Media", ICDM 2014

C3 Dongyeop Kang, Woosang Lim, Kijung Shin, Sael Lee, U Kang, "Data/Feature Distributed Stochastic Coordinate Descent for Logistic Regression", Proceedings of the 23rd ACM International Conference on Conference on Information and Knowledge Management (CIKM), 2014

C2 Dongyeop Kang, Youngja Park, Suresh Chari, "Hetero-Labeled LDA: A partially supervised topic model with heterogeneous label information", European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD) 2014

C1 Dongyeop Kang, Daxin Jiang, Jian Pei, Zhen Liao, Xiaohui Sun, Ho-Jin Choi, "Multidimensional Mining of Large-Scale Search Logs: A Topic-Concept Cube Approach", ACM International Conference on Web Search and Data Mining (WSDM) 2011

INVITED INVITED SPEAKERS

Invited Speakers and Lectures

- Invited speaker at Thomson Reuters Labs, *Scaffolding AI with Human Cognition*, Nov 2023
- Invited guest lecturer, *AI for Scholarly Reading and Writing*, Pennsylvania State University (PSU), Sept 2023
- Invited Speaker, *Human-centric Language Technologies: Of the Human, By the Human, For the Human*, UMN NLP/IE group, Sept 2023
- Invited Speaker, *Human-centric AI: For the Human, Of the Human, by the Human*, 3M NTFA Symposium, Aug 2023
- Invited Speaker, *Disagreement Modeling in the era of Large Language Models*, Microsoft Research, May 2023
- Invited Panelist, *ChatGPT and the Future of AI-Assisted Professionals: A Discussion with UMN Law, Computer Science, and Education Experts on How AI is Disrupting Professional and Educational Spaces*, UMN Law School, May 2023
- Interview with Echo (student-run news site of St. Louis Park High School) on future of AI in classroom (GPT or GPA), Apr 2023
- Invited Speaker, *Career Paths as an AI researcher*, UMN Korean-American Scientists and engineers association (KSEA), Mar 2023
- Invited Speaker, *Modeling disagreement among humans for inclusive NLP systems*, Google People+AI Research (PAIR), Feb 2023
- Invited Speaker, *Human-centric NLP*, Hyundai AI, Dec 2022
- Invited Speaker, *Human-centric NLP*, NSF ROSE-HUB, Nov 2022
- Invited Speaker, *Human-centric NLP*, 3M NTFA Symposium, Sep 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, Yonsei University, Jul 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, KAIST CS, Jul 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, LG AI Research, Jul 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, Samsung Research, Jul 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, Grammarly, Jul 2022
- Invited Speaker, *Human-centric NLP: Learning from Human Perceptions, Interactions, and Disagreements*, Thomson Reuters Labs, Jul 2022
- Invited Speaker, *Fixing the NLP Pipeline with Humans and Data*, USC ISI AI Seminar, Mar 2022
- Guest lecture, *Introduction to Natural Language Processing*, Intro to Undergraduate Research in CS, UMN, Mar 2022
- Invited Speaker, *Fixing the NLP pipeline with humans and data*, Naver AI US, Feb 2022
- Invited Speaker and panelist, *Language generation: current trends and the road ahead*, CMU LTI Seminar, Feb 2022
- Invited Speaker, *Humans and Data in the loop of NLP Pipeline*, GaTech NLP Seminar, Dec 2021
- Invited Speaker, *Humans and Data in the loop of NLP Pipeline*, Minnesota Robotic Institute Colloquium, Nov 2021
- Invited Speaker, *Humans and Data in the loop of NLP Pipeline*, KAIST SE Colloquium, Nov 2021
- Invited Speaker, *Styles and Interactions in Human-centered NLP*, Naver Labs Europe, Nov 2021
- Invited Speaker, *Styles and Interactions in Human-centered NLP*, Grammarly AI, Aug 2021
- Invited Speaker, *Styles and Interactions in Human-centered NLP*, SNU Summer AI school, Aug 2021

- Invited Speaker, *Toward Human-centric Language Generation Systems*, University of Wisconsin - Madison, CS Department, March 2021
- Invited Speaker, *Toward Human-centric Language Generation Systems*, University of Rochester, CS Department, March 2021
- Invited Speaker, *Toward Human-centric Language Generation Systems*, University of Minnesota - Twin Cities, CSE Colloquium, March 2021
- Invited Speaker, *Toward Human-centric Language Generation Systems*, KAIST, AI Department, Feb 2021
- Invited Speaker, *Linguistically Informed Language Generation*, KAIST AI Colloquium, Nov 2020
- Invited Speaker, *Linguistically Informed Language Generation*, GIST EECS Colloquium, Nov 2020
- Invited Speaker, *Uncertainty Calibration in Text Classifications*, Berkeley AI Research (BAIR) Workshop, July 2020
- Invited Speaker, *Linguistically Informed Language Generation*, CMU LTI Seminar, July 2020
- Invited Speaker, *Linguistically Informed Language Generation*, POSTECH AI Seminar, July 2020

TEACHING

Courses
- CSCI 5541 - Natural Language Processing - Spring 2023, Fall 2023
- CSCI 5980 - Natural Language Processing (NLP) with Deep Learning - Fall 2022
- CSCI 8980 - Introduction to Natural Language Processing (NLP) Research - Spring 2022

ADVISING AND MENTORING

Current Ph.D. Students
- Karin de Langis
- Debarati Das (co-advised with Jaideep Srivastava)
- Risako Owan (co-advised with Maria Gini)
- London Lowmanstone (co-advised with Maria Gini), CS&E Fellow
- Zae Myung Kim, 3M Fellow
- Anna Martin, CS&E Fellow
- Shirley Anugrah Hayati
- James Mooney

Current Masters and Undergraduate Students
- Linghe Wang, Masters student
- Jong Inn Park, Masters student
- Ritik Parkar, Masters student
- Amrutha Shetty, Masters student
- Aahan Tyagi, Masters student
- Minhwa Lee, Masters student
- Ryan Koo, undergraduate student
- Ishaan Gupta, undergraduate student
- Ruixin (Ray) Yang, visiting undergraduate student (UBC)
- Bin Hu, undergraduate student
- Tripp Dow, undergraduate student
- Sanjali Roy, undergraduate student
- William Walker, undergraduate student
- Preston Zhu, undergraduate student
- Vincent Liu, undergraduate student

Past Ph.D./Masters/Undergraduate Students
- Hao Zou, CS&E Undergraduate

- Kelsey Neis, Data Science Masters, Plan B
- James Mooney, CS&E Masters → UMN CS Ph.D.
- Ruyuan Wan, Linguistics Masters → University of Notre Dame, CS Ph.D.
- Miguel Miguélez Díaz, Data Science Masters → Amazon
- Yang He, CS&E Masters → Google
- David Ma, CS&E Masters → Optiver
- Jaehyung Kim, Visiting Ph.D. from KAIST → Meta AI intern
- Petros Karypis, CS&E Undergraduate → UCSD Masters
- Wanyu Du, Grammarly intern → University of Virginia

Ph.D./Masters/Undergraduate Committee Member

- Basel Hussein (Ph.D., Learning Technologies, Education & Human Development)
- Tianhao Zhang (Ph.D., Applied Mathematics), current
- Maral Abdollahi (Ph.D., Hubbard School), current
- Smitha Muthya Sudheendra (Ph.D., CS&E), current
- Haiwei Ma (Ph.D., CS&E), *Understanding Expressive Writing in Online Health Communities*, current
- Ruyuan Wan (Masters, Linguistics), Plan A (thesis), *Riddikulus: Detection of Persuasion Techniques in Memes*, Masters Thesis, Passed
- Miguel Miguélez Díaz (Masters, Data Science), Plan B (capstone), *Contextual Saliency Variation of Sentiment Classifiers*, Masters Capstone, Passed
- Smitha Muthya Sudheendra (Masters, CS&E) *Computational Trust Approach to Measuring Trust in News Organizations*, Masters Thesis, Passed
- Yu Fang (Masters, CS&E), Directed Research, Passed
- Jared Grambihler (Undergraduate, CS&E), *Drug and Dosage Discovery for Opioid Use Disorder Recovery on Social Media Posts*, Undergraduate Honor Thesis, Passed
- David Ha (Undergraduate, CS&E), *Supplementing Bug Reports using Matched App Reviews*, Undergraduate Honor Thesis, Passed
- Risako Owan (Ph.D., CS&E), *A Computational Exploration of Modal Verbs: From Theories to Practice*, OPE/WPE, passed