MohammadHossein Rezaei

Curriculum Vitae

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Education

2022–Present **University of Arizona**, *B.S. in Computer Science*, Tucson
- Minor: Mathematics
- GPA: *4.0/4.0*
- Coursework available here.

Experience

May 2025 - Present **Scale AI**, *Research Intern, Post-training*
- Team: MLDG Post-training
- Managers: Bing Liu and Yunzhong He
- Mentors: Afra Feyza Akyürek, Robert Vacareanu, and Clinton Wang
- Online Rubrics Elicitation from Pairwise Comparisons (under-review)

Mar. 2023 - Present **University of Arizona - Computational Language Understanding (CLU) Lab**, *Undergraduate Research Assistant*

Advisors: Dr. Eduardo Blanco, Dr. Steven Bethard
- Research Projects:
  - Using Negated Commonsense Knowledge to Improve Negation Understanding (Under Review)
  - Further Pre-training Language Models for Negation Understanding (NAACL 2025 - First Author)
  - Affirmative Interpretations and Negation Understanding (ACL 2024 - First Author)
  - Machine Generated Text Detection (SemEval 2024 - First Author)
  - Hallucination Detection in Language Models (SemEval 2024)
  - Interpreting Indirect QAs in Multiple Languages (EMNLP Findings 2024)
  - Aggregating Crowdsourced Forecasts using LSTMs and Transformers (preprint)

June 2024 - Mar. 2025 **Stanford NLP Group**, *Undergraduate Visiting Research Intern*

Advisor: Dr. Diyi Yang
- Mentors: Caleb Ziems and Hao Zhu
- Researched on physical social norms understanding in language models (ACL 2025 (Findings) - Equal Contributor)
- Created EgoNormia, a challenging benchmark for evaluating physical social norms understanding in multimodal language models
- Part of the Stanford LINXS Summer Research Program

July 2023 - July 2023	**Cornell University - SoNIC Summer Research Workshop**, *Scholar* Advisor: Dr. Tapomayukh Bhattacharjee ○ Worked in groups on building a smart assistive cane for individuals with visual impairments ○ Implemented perception, motion planning, and control for the robot ○ Ranked 2nd in individual final test among 40 participants

Honors and Awards

May 2025	**Academic Year Highest Academic Distinction**, *University of Arizona*
Apr. 2025	**Galileo Circle Scholarship**, *University of Arizona, College of Science*
May 2024	**Academic Year Highest Academic Distinction**, *University of Arizona*
Apr. 2024	**Galileo Circle Scholarship**, *University of Arizona, College of Science*
Mar. 2024	**Phi Beta Kappa**, *University of Arizona*
Sep. 2023	**Undergraduate Scholarship**, *Iranian Scholarship Foundation (ISF)* $30,000 scholarship for three years based on research experience and community involvement
May 2023	**Academic Year Highest Academic Distinction**, *University of Arizona*
Aug. 2022	**Global Wildcat Scholarship**, *University of Arizona* Awarded a maximum possible scholarship of $22,000 annually due to academic excellence

Teaching

Jan. 2025 - Present	**UofA CSc 144 - Discrete Mathematics for CS I**, *Course Coordinator (Head TA)* ○ Coordinated the course staff and managed the course logistics ○ Mentored the teaching assistants and graders ○ Assisted in designing the course assignments and exams
Aug. 2023 - Dec. 2024	**UofA CSc 144 - Discrete Mathematics for CS I**, *Teaching Assistant* ○ Graded homework assignments and exams (150+ students) ○ Held office hours and review sessions ○ Attended the lectures and assisted the instructor

Leadership and Extracurricular Activities

Mar. 2024 - Present	**Iranian Students Culrual Association of Tucson**, *Director and Treasurer* ○ Hosted cultural events (e.g. Nowruz, Yalda, etc) in Tucson with over 300 attendees ○ Raised over $10,000 in donations for the association ○ Managed the association's budget and financial transactions
Jan. 2024 - Present	**UofA - Computer Science Department**, *Computer Science Ambassador* ○ Represented the department at various promotional events and high school visits ○ Led group discussions and presentations at educational outreach events
Aug. 2023 - Present	**UofA - Computer Science Department**, *Peer Mentor* ○ Guided first-year students with their transition to college ○ Helped students in academic and research directions ○ Organized information sessions on course selection and sharing experiences
Aug. 2023 - Present	**Google Developer Student Club - UofA**, *Vice Lead* ○ Revitalized the chapter, growing active participation from 15 to over 70 members ○ Hosted workshops for enhancing club members' proficiency in ML and NLP frameworks

| Jan. 2024 -
May. 2024 | **Apple Pathways Alliance**, *Participant*
○ Nominated by the department as one of the three students to participate in this program |
| Oct. 2023 -
Mar. 2024 | **UofA Campus Pantry**, *Student Volunteer*
○ Volunteered two hours weekly, aiding in food distribution |

───── Service

| Reviewing | ACL ARR Review (Feb, May 2025). |
| Volunteer | NAACL 2025. |

───── Publications

2025 **ACL** Findings	**MohammadHossein Rezaei***, Yicheng Fu*, Phil Cuvin*, Caleb Ziems, Yanzhe Zhang, Hao Zhu, and Diyi Yang. 2025. EgoNormia: Benchmarking Physical Social Norm Understanding. In *Findings of the Association for Computational Linguistics: ACL 2025*, Vienna, Austria. Association for Computational Linguistics. *Accepted, to appear*.
2025 **NAACL** 23% Accept. Rate	**MohammadHossein Rezaei** and Eduardo Blanco. 2025. Making Language Models Robust Against Negation. In *Proceedings of the 2025 Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics: Human Language Technologies (Volume 1: Long Papers)*, pages 8123–8142, Albuquerque, New Mexico. Association for Computational Linguistics.
2024 **ACL** 21% Accept. Rate	**MohammadHossein Rezaei** and Eduardo Blanco. 2024. Paraphrasing in Affirmative Terms Improves Negation Understanding. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*, pages 602-615, Bangkok, Thailand. Association for Computational Linguistics.
2024 **SemEval** Workshop	**MohammadHossein Rezaei**, Yeaeun Kwon, Reza Sanayei, Abhyuday Singh, and Steven Bethard. 2024. Clulab-uofa at semeval-2024 task 8: Detecting machine-generated text using triplet-loss-trained text similarity and text classification. In *Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)*, pages 1509-1515, Mexico City, Mexico. Association for Computational Linguistics.
2024 **SemEval** Workshop	Reza Sanayei, Abhyuday Singh, **MohammadHossein Rezaei**, and Steven Bethard. 2024. MARiA at SemEval-2024 Task 6: Hallucination Detection Through LLMs and MNLI and and Cosine similarity. In *Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024)*, Mexico City, Mexico. Association for Computational Linguistics.
2023 **EMNLP** Findings 43% Accept. Rate	Zijie Wang, Md Hossain, Shivam Mathur, Terry Melo, Kadir Ozler, Keun Park, Jacob Quintero, **MohammadHossein Rezaei**, Shreya Shakya, Md Uddin, and Eduardo Blanco. 2023. Interpreting Indirect Answers to Yes-No Questions in Multiple Languages. In *Findings of the Association for Computational Linguistics: EMNLP 2023*, pages 2210-2227, Singapore. Association for Computational Linguistics.

2022 **Rezaei, M.**. (2022). Solving Functional Equations in R^+ Using Inequalities and
Highschool Publication Sequences. *Mathematical Reflections*, 2022(3), 1-4.

Preprints

2025 Zijie Wang, **MohammadHossein Rezaei**, Farzana Rashid, and Eduardo Blanco.
2025. Commonsense Knowledge with Negation: A Resource to Enhance Negation
Understanding. *Under Review*.