

# Mohammad Hossein Rezaei

## Curriculum Vitae

Tucson  
United States  
+1 (520) 442 8138  
mhrezaei@arizona.edu  
www.mhrezaei.com  
in mhrezaeics  
mhrezaeics  
mhrezaei1  
INq7JWIAAAAJ  
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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 - **Scale AI, Research Intern, Post-training**

- Present
- 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 - **University of Arizona - Computational Language Understanding (CLU) Lab,**  
Present *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 - **Stanford NLP Group, Undergraduate Visiting Research Intern**

- Mar. 2025 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 - **Cornell University - SoNIC Summer Research Workshop, Scholar**  
July 2023 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 - **UofA CSc 144 - Discrete Mathematics for CS I, Course Coordinator (Head TA)**  
Present
  - 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 - **UofA CSc 144 - Discrete Mathematics for CS I, Teaching Assistant**  
Dec. 2024
  - 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 - **Iranian Students Culrual Association of Tucson, Director and Treasurer**  
Present
  - 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 - **UofA - Computer Science Department, Computer Science Ambassador**  
Present
  - Represented the department at various promotional events and high school visits
  - Led group discussions and presentations at educational outreach events

Aug. 2023 - **UofA - Computer Science Department, Peer Mentor**  
Present
  - 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 - **Google Developer Student Club - UofA, Vice Lead**  
Present
  - 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 - **Apple Pathways Alliance, Participant**  
 May. 2024 ○ Nominated by the department as one of the three students to participate in this program  
 Oct. 2023 - **UofA Campus Pantry, Student Volunteer**  
 Mar. 2024 ○ Volunteered two hours weekly, aiding in food distribution

## Service

Reviewing ACL ARR Review (Feb, May 2025).

Volunteer NAACL 2025.

## Publications

- 2025 **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*, pages 19256–19283, Vienna, Austria. Association for Computational Linguistics.  
 37% Accept. Rate
- 2025 **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.  
 23% Accept. Rate
- 2024 **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.  
 21% Accept. Rate
- 2024 **MohammadHossein Rezaei**, Yeaen 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 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 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.  
 43% Accept. Rate

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

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## Preprints

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