

Nouha DZIRI

PERSONAL DATA

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RESEARCH & WORK EXPERIENCE

AUG. 2023 | Research Scientist
Allen Institute for AI
Advisor: **Yejin Choi**

NOV. 2022 | Postdoctoral Researcher
JUN. 2023 | **Allen Institute for AI**
Advisor: **Yejin Choi**

JUN. 2020 | Research Scientist
MAY. 2022 | **Google Research NYC**
Advisors: **Tal Linzen, Hannah Rashkin, David Reitter**

OCT. 2019 | Research Scientist
MAY. 2020 | **Microsoft Research MTL**
Advisors: **Alessandro Sordoni, Hannes Schulz, Goeff Gordon, Shikhar Sharma**

MAY. 2019 | Research Intern
AUG. 2019 | **Google Research NYC**
Advisors: **Diyi Yang, Tom Kwiatkowski, Eva Schlinger**

EDUCATION

Dec. 2022 | **Ph.D. Computing Science**, University of Alberta, Edmonton, Canada
SEP. 2018 | Tentative Thesis title: “Towards Building Faithful Dialogue Systems”
Supervisor: Prof. Osmar Zaiane
GPA: 4.0/4.0

JUN. 2018 | **M.Sc. Computing Science**, University of Alberta, Edmonton, Canada
SEP. 2016 | Thesis title: “Response Generation for an Open-ended Conversational Agent”
Supervisor: Prof. Osmar Zaiane
GPA: 4.0/4.0

PUBLICATIONS

This list is outdated. You can find an exhaustive list of my publication in my google scholar profile.

- [1] **Nouha Dziri**, Ehsan Kamaloo, Sivan Milton, Osmar Zaiane, Mo Yu, Edoardo Maria Ponti, Siva Reddy. **FaithDial: A Faithful Benchmark for Information-Seeking Dialogue**. TACL 2022.
- [2] **Nouha Dziri**, Sivan Milton, Mo Yu, Siva Reddy. **On the Origin of Hallucination in Conversational Models: Is it the Datasets or the Models?** NAACL 2022.
- [3] **Nouha Dziri**, Hannah Rashkin, Tal Linzen, and David Reitter. **Evaluating Groundedness in Dialogue Systems: The BEGIN Benchmark**. TACL 2022.
- [4] **Nouha Dziri**, Andrea Madotto, Osmar Zaiane, and Avishek Joey Bose. **Neural Path Hunter: Reducing Hallucination in Dialogue Systems via Path Grounding**. EMNLP 2021.
- [5] Alessandro Sordoni*, **Nouha Dziri***, Hannes Schulz*, Goeff Gordon and Remi Tachet. **Decomposed Mutual Information Estimation for Contrastive Representation Learning**. ICML 2021.
(* equal contribution)

- [6] **Nouha Dziri**, Ehsan Kamaloo, Kory Mathewson, and Osmar Zaiane. **Evaluating Coherence in Dialogue Systems using Entailment**. NAACL 2019.
- [7] **Nouha Dziri**, Ehsan Kamaloo, Kory Mathewson, and Osmar Zaiane. **Augmenting Neural Response Generation with Context-Aware Topical Attention**. ACL 2019 workshop NLP4ConvAI.
- [8] Chenyang Huang, Osmar Zaiane, Amine Trabelsi and **Nouha Dziri**. **Automatic Dialogue Generation with Expressed Emotions**. NAACL 2018.
- [9] **Nouha Dziri** and Osmar Zaiane. **Response Generation for An Open-Ended Conversational Agent**. NeurIPS WiML 2018.

INVITED TALKS

- JUNE. 2022 **Stanford NLP seminar**. “Towards Building Faithful Dialogue Systems”
- MAY. 2022 **Google Research**. “FaithDial: A Faithful Benchmark for Information-Seeking Dialogue.”
- MAY. 2022 **Amazon Research**. “FaithDial: A Faithful Benchmark for Information-Seeking Dialogue.”
- SEP. 2021 **Mila, McGill University**. “Neural Path Hunter: Reducing Hallucination in Dialogue Systems via Path Grounding.”
- MAR. 2021 **Google Developer Student Club, University of Toronto**. “Inspiring Females to Pursue a Career in STEM: She Believed She Could ... So She Did.”
- AUG. 2020 **Google Research**. “Evaluating Groundedness in Dialogue Systems.”
- SEP. 2020 **IVADO: NLP Consortium for Dialogue systems**. “Evaluating Coherence in Dialogue Systems using Entailment.”
- DEC. 2019 **DeepMind**. “Evaluation in Open-Domain Dialogue Systems.”
- NOV. 2019 **Microsoft Research**. “Generating Dialogues by Mutual Information Maximization.”
- SEP. 2019 **Rasa Developer Summit** “Evaluating Coherence in Dialogue Systems using Entailment.”
- AUG. 2019 **Google Research**. “Is this Request Persuasive For You? Personalization in Persuasion.”
- SEP. 2018 **University of Alberta**. “Response Generation for An Open-Ended Conversational Agent.”

TEACHING

- MAR. 2019 CMPUT 699, Natural Language Processing; **Guest Lecture** on dialogue systems at University of Alberta.
- SEP. 2018 CMPUT 174, Introduction to Data Structure. **Teaching Assistant** at University of Alberta.

SCHOLARSHIPS AND AWARDS

- OCT. 2021 EMNLP 2021 **full travel grant** (~ \$3000).
- JUL. 2021 **Outstanding Reviewer** at ACL 2021 (**top 1%**)
- MAR. 2019 Invited to the **Amazon’s Graduate Research Symposium** among top student researchers across north America, Seattle. (~ \$2500).
- NOV. 2018 NeurIPS WiML 2018 **travel grant** (~ \$2000)
- SEP. 2018 Alberta Doctoral Recruitment **Scholarship** (\$10,000)
- SEP. 2018 Tunisian Ministry of Higher Education **PhD Scholarship (top 1%)** (\$70,000)
- NOV. 2017 **Best Poster Award**, ACM Canadian Celebration of Women in Computing (\$400)
- APR. 2017 **Mitacs Globalink Graduate Fellowship** (\$15,000)
- APR. 2016 Tunisian Ministry of Higher Education **MSc Scholarship (top 1%)** (\$44,000)
- JAN. 2016 **DAAD** Scholarship for Research Internship, Leipzig, Germany (€10,000)
- DEC. 2015 **Mitacs Globalink** Research Scholarship, Canada (\$11,000)
- APR. 2015 **Erasmus Mundus** Exchange BSc Student Scholarship (**Declined**) (€30,000)

MENTORSHIP

- JUN. 2021/APR. 2022 Sivan Milton, BSc student at Department of Linguistics, McGill University.

ACADEMIC SERVICE

- **Reviewer:** ACL (2019-2022), EMNLP (2020, 2021), NAACL (2020, 2021), EACL (2020), AAAI (2020), IEEE Transactions on Audio, Speech and Language Processing (Journal) (2021).

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Deep learning libraries:** Pytorch, TensorFlow

REFERENCES

- **Osmar Zaiane:** Full professor at University of Alberta and Canada CIFAR AI Chair.
(zaiane@ualberta.ca)
- **Siva Reddy:** Assistant Professor at Mila/McGill University and Facebook CIFAR AI Chair.
(siva.reddy@mila.quebec)
- **David Reitter:** Senior Research Scientist at Google Research NYC.
(reitter@google.com)
- **Alessandro Sordoni:** Principal Researcher at Microsoft Research Montreal.
(alsordon@microsoft.com)

LINGUISTIC SKILLS

- **Fluent:** English, French, Arabic
- **Beginner:** German, Italian

EXTRA

When I'm not doing NLP, I love playing tennis.