

Faeze Brahman

PHD CANDIDATE · COMPUTER SCIENCE · UC SANTA CRUZ

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Research Interests

Natural Language Processing, Machine Learning, Natural Language Generation, Social Commonsense Reasoning

Education

University of California, Santa Cruz

Santa Cruz, CA

PHD IN COMPUTER SCIENCE (GPA: 3.87)

2021

• Advisor: Snigdha Chaturvedi

MS IN COMPUTER SCIENCE (GPA: 3.87)

2018

• Advisor: Marilyn Walker

Iran University of Science and Technology

Tehran, Iran

MS IN ELECTRICAL ENGINEERING (GPA: 3.91)

2014

BS IN ELECTRICAL ENGINEERING (GPA: 3.54)

2012

Professional Experience

09/2016-present **Research and Teaching Assistant**, UC Santa Cruz

06/2020-09/2020 **Research Intern**, Allen Institute for Artificial Intelligence (AI2) (mentors: Vered Shwartz, Yejin Choi)

06/2018-09/2018 **Research Intern**, Xerox PARC

01/2015-06/2016 **AMI and Telecommunication Expert**, Monenco Consulting Engineers

08/2014-12/2014 **Researcher**, Niroo Research Institute

Publications

PEER-REVIEWED JOURNAL AND CONFERENCE PAPERS

Learning to Rationalize for Nonmonotonic Reasoning with Distant Supervision

Faeze Brahman, Vered Shwartz, Rachel Rudinger, and Yejin Choi. *AAAI* 2021

Modeling Protagonist Emotions for Emotion-Aware Storytelling

Faeze Brahman and Snigdha Chaturvedi. *EMNLP* 2020

Cue Me In: Content-Inducing Approaches to Interactive Story Generation

Faeze Brahman, Alexandru Petrusca, and Snigdha Chaturvedi. *AAACL* 2020

Effective Forum Curation Via Multi-task Learning

Faeze Brahman, Nikhil Varghese, Suma Bhat, and Snigdha Chaturvedi. *EDM* 2020

Electrical and thermal energy management of a residential energy hub, integrating demand response and energy storage system, Energy and Buildings

Faeze Brahman, Masoud Honarmand, and Shahram Jadid. *Journal of Energy and Building*, 2015

Development of a Thermal and Electrical Energy Management System in Residential Building Micro-Grid

Saeed Esmaili, Behrooz Vahidi, Mehdi Parvizimosaed, *Faeze Brahman*. *Journal of Renewable and Sustainable Energy*, 2013

WORKSHOP AND NON-ARCHIVAL PAPERS

Towards Emotion-Aware Storytelling Using Reinforcement Learning

Faeze Brahman, and Snigdha Chaturvedi. *Wordplay: When Language Meets Games Workshop @ NeurIPS* 2020

Automatic Story Generation with Human-in-the-Loop

Faeze Brahman, Alexandru Petrusca, and Snigdha Chaturvedi. *Workshop on Narrative Understanding (WNU) @ NAACL* 2019

Awards

- 2020 **GHC Scholarship**, AnitaB.org
Tapia Celebration of Diversity Scholarship, CMDiT
- 2019 **GHC Student Scholarship**, AnitaB.org
Women's Club Scholarship, UC Santa Cruz
Marilyn C. Davis Scholarship, UC Santa Cruz
Second Best Poster Award, UCSC Data Science's Day
CRA-W Travel Grant, Computing Research Association
- 2016 **Regents Fellowship**, UC Santa Cruz
- 2012 **Full Scholarship for graduate study**, IUST
- 2008 **Full Scholarship for undergraduate study**, IUST

Presentations

GUEST LECTURE

Fall 2018. *Neural Networks*. Guest Lecture, Machine Learning Course, UC Santa Cruz.

Spring 2018. *Neural Networks*. Guest Lecture, Machine Learning Course, UC Santa Cruz.

Spring 2018. *Generative Adversarial Networks*. Guest Lecture, Machine Learning Course, UC Santa Cruz.

Teaching Experience

- 2020 **CSE 115: Software Design Project**, Teaching Assistant UCSC
CSE 16: Discrete Mathematics, Teaching Assistant
- 2019 **Natural Language Processing [High school students]**, Teaching Assistant UCSC's
COSMOS
Program
- 2018 **CSE 142: Machine Learning and Data Mining**, Teaching Assistant UCSC

Service & Professional Activities

PROGRAM COMMITTEE & REVIEWING

- 2021 **Program Committee**, AAI, ACL, IJCAI
2020 **Program Committee**, AAI, CoNLL, NUSE
2019 **Program Committee**, CoNLL, NUSE
2019 **Student Volunteer**, NAACL

WORKSHOP ORGANIZATION

Co-organizer, The third workshop on Narrative Understanding, Storylines, and Events (NUSE) @ NAACL2021

DIVERSITY PROMOTING SERVICE

Co-conceptualized and co-organized a Women-in-AI (WiAI) Group at UCSC, 2019.

Skills

Python C++ R MATLAB / Pytorch TensorFlow Keras Texar
HTML/CSS JavaScript D3 Bokeh / git \LaTeX Bash script MySQL