

FOROUGH POURSABZI-SANGDEH

<https://cse1.cs.colorado.edu/~fopo5620/>

forough.poursabzisangdeh@colorado.edu

RESEARCH INTERESTS

Interactive and interpretable machine learning

Natural language processing and understanding

EDUCATION

University of Colorado, Boulder

August 2013 - Present

PhD in Computer Science

Supervisor: Jordan Boyd-Graber

Master of Science, Computer Science, 2013 - 2015

University of Tehran, Tehran, Iran

September 2008-July 2012

BS in Computer Engineering

RESEARCH/WORK EXPERIENCE

Microsoft Research-NYC

June 2017 - August 2017

Research intern in Machine Learning and Computational Social Science group

NYC, NY

- Supervisors: Jennifer Wortman Vaughan, Hanna Wallach, Daniel Goldstein, Jake Hofman

Oracle Labs

June 2016 - August 2016

Research intern in Information Retrieval and Machine Learning group

Burlington, MA

- Supervisor: Pallika Kanani

University of Colorado, Boulder

August 2014 - Present

Research assistant

Boulder, CO

- Supervisor: Jordan Boyd-Graber

PUBLICATIONS

Forough Poursabzi-Sangdeh, Daniel G. Goldstein, Jake M. Hofman, Jennifer Wortman Vaughan, and Hanna Wallach. “Manipulating and measuring model interpretability”. NIPS Transparent and Interpretable Machine Learning in Safety Critical Environments workshop, 2017.

Forough Poursabzi-Sangdeh, Jordan Boyd-Graber, Leah Findlater, Kevin Seppi. “ALTO: Active Learning with Topic Overviews for Speeding Label Induction and Document Labeling”. Association for Computational Linguistics, 2016.

Alison Smith, Tak Yeon Lee, Forough Poursabzi-Sangdeh, Jordan Boyd-Graber, Niklas Elmqvist, Kevin Seppi, Leah Findlater. “Human-Centered and Interactive: Expanding the Impact of Topic Models”. Proc. HCML Workshop at CHI, 2016.

Alison Smith, Tak Yeon Lee, Forough Poursabzi-Sangdeh, Leah Findlater, Jordan Boyd-Graber, and Niklas Elmqvist. “Evaluating Visual Representations for Topic Understanding and Their Effects on Manually Generated Labels”. Transactions of the Association for Computational Linguistics, 2017.

Forough Poursabzi-Sangdeh, and Jordan Boyd-Graber. “Speeding Document Annotation with Topic Models”. NAACL-HLT 2015 Student Research Workshop (SRW), 2015.

Jason Chuang, John D. Wilkerson, Rebecca Weiss, Dustin Tingley, Brandon M. Stewart, Margaret E. Roberts, Forough Poursabzi-Sangdeh, Justin Grimmer, Leah Findlater, Jordan Boyd-Graber, and Jeffrey Heer. “Computer-Assisted Content Analysis: Topic Models for Exploring Multiple Subjective Interpretations”. NIPS Workshop on Human-Propelled Machine Learning, 2014.

Forough Poursabzi-Sangdeh, and Ananth Kalyanaraman. “On clustering heterogeneous networks”. SIAM Workshop on Network Science, 2013.

PROFESSIONAL SERVICE

European Association for Computational Linguistics (EACL) 2016
Reviewer for “Document analysis including text categorization, topic models, and retrieval” track

Black in AI Workshop at NIPS 2017
Program Committee

Workshop on Explainable Smart Systems (EXSS) at IUI 2018
Program Committee

SKILLS

Languages Java, Python, C++
Web Javascript, HTML, CSS

HONORS AND AWARDS

Research Community Development Award (2013)

Exemption from Nationwide Entrance Exam for MSc. in Computer Engineering (2011)

Ranked 338 in Nationwide Entrance Exam for BS among 400000 participants (2008)

MENTORING

You Lu (2016), Masters student at University of Colorado, *Topic-model based information retrieval for question-answering system, analysis of a large-scale patent-grant dataset, evaluating definitive answers to questions*

TEACHING EXPERIENCE

University of Colorado, Boulder August 2013 - August 2014
Teaching Assistant *Boulder, CO*

- Teaching assistant for introduction to programming

University of Tehran August 2011 - January 2012
Teaching Assistant *Tehran, Iran*

- Teaching assistant for Discrete Mathematics and formal languages