SHAHRZAD NASERI

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EDUCATION

University of Massachusetts, Amherst, MA, U.S.A   *September 2018 - Present*
Ph.D in Computer Science, GPA: 3.73/4.00

University of Massachusetts, Amherst, MA, U.S.A   *September 2015 - September 2018*
M.Sc. in Computer Science, GPA: 3.73/4.00

Amirkabir University of Technology, Tehran, Iran   *September 2011 - August 2015*
B.Sc. in Information Technology, GPA: 3.88/4.00 (ranked 2nd)
· Thesis: "Implementation of Anycast Protocol in Software Defined Networking (SDN)"

RESEARCH INTEREST

- Information Retrieval

- Deep Learning and Machine Learning

- Natural Language Processing

PUBLICATIONS

- **Shahrzad Naseri**, Jeff Dalton, James Allan. *"Supervised Contextualized query Expansion with Transformers."* Under submission.

- **Shahrzad Naseri**, Jeff Dalton, James Allan, Andrew Yates. *"CEQE: Contextualized Embeddings for Query Expansion."* Under submission.

- Jeff Dalton, **Shahrzad Naseri**, Laura Dietz and James Allan. *"Local and Global Query Expansion for Hierarchical Complex Topics."* European Conference on Information Retrieval 2019 (ECIR).

- **Shahrzad Naseri**, John Foley and James Allan. *"UMass at TREC 2018: CAR, Common Core and News Tracks"* Text Retrieval Conference 2018.

- **Shahrzad Naseri**, John Foley, James Allan and Brendan T. O'Connor. *"Exploring Summary-Expanded Entity Embeddings for Entity Retrieval."* Workshop on EntitY REtrieval (EYRE) co-located with CIKM 2018.

- **Shahrzad Naseri**, Sheikh Muhammad Sarwar and James Allan. *"Semantic Driven Fielded Entity Retrieval."* Workshop on EntitY REtrieval co-located with CIKM 2018 (Shared Task at EYRE).

- Qingyao Ai, Hamed Zamani, Stephen Harding, **Shahrzad Naseri**, James Allan and W. Bruce Croft. *"UMass at TREC 2017 Common Core Track."* Text Retreival Conference 2017.

WORK EXPERIENCE

CIIR (Center for Intelligent Information Retrieval)   September 2017 - Present
Research Assistant   *Amherst, MA*

· Exploring different input representations for information retrieval systems using entities, input hierarchical information and context-sensitive language models

University of Glasgow   July 2019 - November 2019
Visiting Researcher   *Glasgow, UK*

· Studying recent context-sensitive language models such as BERT for the task of query expansion

SPIN (Security and Privacy In Networking) September 2015 - August 2017
Research Assistant *Amherst, MA*

· Measuring and analyzing of different network features such as latency in Email protocols, traffic pattern in Bitcoin and censorship resistance systems

University of Massachusetts, Amherst
Teaching Assistant *Amherst, MA*

· Applied Information Retrieval January 2018 - May 2018
· Introduction to Programming with Java September 2017 - December 2017
· Introduction to Computer and Network Security September 2015 - December 2015

Imen Rayaneh Amirkabir June 2014 - September 2014
Android Developer Intern *Tehran, Iran*

· Developing an educational social network named Yadamooz

INVITED TALKS

Hierarchical and Context-aware Query Expansion October 2019
Information Retrieval Seminar *University of Glasgow*

SERVICE & OUTREACH

Academic Services

· Program committee member, EntitY REtrtieval (EYRE) Workshop co-located with CIKM 2019

University of Massachusetts, Amherst

· Officer, Iranian Graduate Students Association (IGSA) January 2018 - December 2018
· Student Volunteer, Girls Inc. of Holyoke Eureka! Workshop July 2017
· Student Volunteer, Girls Inc. of Holyoke Eureka! Workshop July 2016

SKILLS

Computer Languages	Python, Java, C/C++, Android Programming
Deep Learning Frameworks	TensorFlow, PyTorch
Web Programming	HTML, CSS, JavaScript, jQuery, AJAX, PHP

HONORS AND AWARDS

- Awarded the SIGIR 2018 Sponsored Travel Grant provided by the NFS July 2018

- Awarded scholarship to attend Grad Cohort Workshop 2017 January 2017

- Awarded Anita Borg Institute scholarship to attend Grace Hopper Conference 2016 June 2016

- Awarded merit-based admission to masters program at CE/IT department of Amirkabir University of Technology May 2015

- Awarded the **Outstanding Student** title by the head of CE/IT Department, Amirkabir University of Technology September 2015

SELECTED COURSES

Machine Learning, Neural Networks, Probabilistic Graphical Models, Applied Information Theory, Advanced Algorithms and Analysis, Advanced Information Assurance, Computer Networking