

Mehdi Assefi

Resumé

Profile

Strong industry background in software engineering, and research experience with cutting edge technologies. Productive in both team-based and self-managed projects; dedicated to maintain up-to-date knowledge and IT skills.

Education

2016 - 2019 **PhD Student**, *Computer Science, University of Georgia, United States.*

2016 **Master's of Computer Science**, *Montana State University, United States.*

Technical Summary

- C++
- Python
- R
- SQL

Relevant Courses at Graduate Level

- Advanced Machine Learning
- Advanced Distributed Systems
- Advanced Data Analytics
- Advanced Networking
- Privacy Preserved Data Mining
- Empirical Software Engineering
- Advanced Database Systems
- Evolutionary Computation

Experience

Summer 2018 **Intern**, FUJITSU LABS, Sunnyvale, CA.

Research area: API Learning, Text Miming

Spring 2018 **Intern**, NEC LABS, Cupertino, CA.

Research area: Timeseries Forecasting

Summer 2013 **Intern**, CITRIX, Santa Barbara, CA.

Research area: Real-time Streaming

2016–Present **Research Assistant**, UNIVERSITY OF GEORGIA, Athens, GA.

Working with a team to design and implement an innovative new adaptive learning system.

2012–2015 **Graduate Assistant**, MONTANA STATE UNIVERSITY, Bozeman, MT.

Worked in the Networks Lab to designed and implemented a testbed to evaluate performance of Apple Siri and Google Speech Recognition under different network conditions. Also designed and implemented a **Real-Time Streaming System** using **Network Coding**.

Department of Computer Science, University of Georgia – Athens, GA 30602

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Publications

1. Mehdi Assefi, et. al., **Metadata-Based API Attribute Extraction** *KDD 2019 - Applied Data Science Track - under review*
2. Mehdi Assefi, et. al., **Demographic-based Adverse Drug Events analysis** *in progress.*
3. Mehdi Assefi, Ali Hooshmand, Ratnesh Sharma **Lifetime prognosis: a RNN-LSTM approach**, **ICMLA 2018.**
4. Ahmad P. Tafti, Eric LaRose, Mehdi Assefi, Ehsun Behravesh, Jonathan C. Badger, David Page, Peggy Peissig **bigNN: an open-source big data toolkit for biomedical sentence classification**, **IEEE Big Data 2017,**
5. Mehdi Assefi, Ehsun Behravesh, Guangchi Liu, Ahmad P. Tafti, **Big data machine learning using Apache Spark MLlib**, **IEEE Big Data 2017**
6. Ahmad P. Tafti, Mehdi Assefi, Eric LaRose, Jonathan Badger, Zhan Ye, Neel Shimpi, Fereshteh S. Bashiri, Elham Sagheb, Huong McLean, David Page, Peggy Peissig, **Big data deep neural network to analyze adverse vaccine reactions**, **AMIA'18 Informatics Summit.**
7. Elizabeth D. Trippe, Mehdi Assefi, Juan Gutierrez, Mary R. Galinski **A vision for health informatics: Introducing the SKED framework**
8. Mehdi Allahyari, Seyedamin Pouriyeh Mehdi Assefi, Saied Safaei, Elizabeth Trippe, Juan Gutierrez, Krzysztof Kochut **A brief survey of text mining: classification, clustering and extraction techniques**
9. Mehdi Assefi, Guangchi Liu, Mike P. Wittie, and Clemente Izurieta, **Experimental evaluation of apple Siri and Google speech recognition**, **SEDE'15**, San Diego, October 2015. [SEDE'15 Best Paper Finalist Award.](#)
10. Mehdi Assefi, Mike P. Wittie, and Allan Knight, **Impact of network performance on cloud speech recognition**, **ICCCN'15**, Las Vegas, August 2015.
11. Ahmad P. Tafti, Ahmadreza Baghaie, Mehdi Assefi, Anne Nikolai, Zeyun Yu, Hamid R. Arabnia, and Peggy Peissig, **OCR as a Service: an experimental evaluation of Google Docs OCR, Tesseract, ABBYY FineReader, and Transym**, **ISVC'16**, Las Vegas, December 2016.
12. Karen Aguar, Mehdi Assefi, **Considerations on interdisciplinary instruction and design influenced by adaptive learning:**
13. Mehdi Assefi, Guangchi Liu, Mike P. Wittie, and Clemente Izurieta, **Measuring the impact of network performance on cloud-based speech recognition applications - An empirical study of Siri and Google speech recognition**, *International journal of computers and their applications (IJCA)*, March 2016.

Awards and Honors

- 2017 - 2018 **Fellowship**, UNIVERSITY OF GEORGIA, USA.
Grimes Family Distinguished Graduate Fellowship for the 2017 - 2018 academic year
- 2017 **Scholarship**, GEORGIA - USA.
Professional Organization of Iranian Americans(**POOIA**)
- 2016 **Honorable Mention**, .
Department of Computer science - Montana State University
- 2015 **Best Paper Finalist Award**, SEDE'15.
Best Paper Finalist Award for the paper "*Experimental Evaluation of Apple Siri and Google Speech Recognition*" 24th International Conference on Software Engineering and Data Engineering, San Diego, CA, October 12-14, 2015.

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