

# Mehdi Assefi

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## Resumé

### Profile

Strong industry background in software engineering and data science, 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.  
**Master's of Computer Science**, *Montana State University*, United States.

### Technical Summary

- Python
- R
- SQL
- Hadoop, Hive, and Spark
- C++
- TensorFlow, Scikit-learn, and NLTK

### Relevant Courses at Graduate Level

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

### Experience

- Summer 2018 **Data Science Research Intern**, FUJITSU LABS, Sunnyvale, CA.  
Spring 2018 **Data Science Research Intern**, NEC LABORATORIES, Cupertino, CA.  
Summer 2013 **Software Engineer Intern**, CITRIX-ONLINE, Santa Barbara, CA.  
2016–2018 **Research Assistant**, UNIVERSITY OF GEORGIA, Athens, GA.  
Working with a team to design and implement an innovative new adaptive learning system.  
2013–2015 **Teaching Assistant**, MONTANA STATE UNIVERSITY, Bozeman, MT.  
Programming with Java, Data Structures, Discrete Structures.  
2012–2013 **Research 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**.*

## Publications

1. Mehdi Assefi, et. al., *Demographic-based Adverse Drug Events analysis: a deep learning social media adventure*, in progress.
2. Mehdi Assefi, Ali Hooshmand, Ratnesh Sharma *Lifetime prognosis: a RNN-LSTM approach*, ICMLA 2018(accepted).
3. 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,
4. Mehdi Assefi, Ehsun Behravesh, Guangchi Liu, Ahmad P. Tafti, *Big data machine learning using Apache Spark MLlib*, IEEE Big Data 2017
5. 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.
6. Elizabeth D. Trippe, Mehdi Assefi, Jacob B. Aguilar, Jessica A. Brady, Saied Safaei, Juan Gutierrez, Mary R. Galinski *A vision for health informatics: Introducing the SKED framework*
7. 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*
8. 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](#).
9. Mehdi Assefi, Mike P. Wittie, and Allan Knight, *Impact of network performance on cloud speech recognition*, ICCCN'15, Las Vegas, August 2015.
10. 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.
11. Karen Aguar, Charles C. Sanchez, Diego Boada Beltran, Saied Safaei, Mehdi Assefi, Jonathan Arnold, Pedro Portes, Hamid R. Arabnia, and Juan B. Gutierrez, *Considerations on interdisciplinary instruction and design influenced by adaptive learning: A case study involving biology, computer science, mathematics, and statistics*
12. 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

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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