

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 machine learning skills .

Education

Present **PhD Candidate**, *Computer Science, University of Georgia*, United States.

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

Technical Summary

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

Knowledge and Skill Areas

- Distributed file systems - Spark and Hadoop
- Data engineering - worked on several real world data science projects
- Predictive models - experience in building predictive models (logistic/linear regression, neural networks, etc.)
- Practical knowledge in deep learning

Experience

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

Research area: NLP, Deep Learning - I designed and implemented an API learning system using natural language processing and deep learning.

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

Research area: Timeseries Forecasting, Deep Learning - I designed and implemented a time series forecasting model using deep learning.

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

Research area: Real-time Streaming, Remote Speech Recognition.

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.

Research area: Real-time streaming, remote speech recognition

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

☎ (406)451-3652 • ✉ asf@uga.edu • 🌐 www.assefi.org

Publications

1. Mehdi Assefi, et. al., **An Intelligent Large RESTful API Corpus Construction Target conference: NeurIPS | 2019 - in progress!**
2. Mehdi Assefi, et. al., **Mapping Heterogeneous API Documentations to a Unified API Specification KDD 2019 - under review**
3. Mehdi Assefi, Ali Hooshmand, Ratnesh Sharma **Lifetime prognosis: a RNN-LSTM approach, ICMLA 2018.**
4. Ahmad P. Tafti, Eric LaRose, Mehdi Assefi, Ehsun Behravesesh ,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 Behravesesh , Guangch 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. 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)
- 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.

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

☎ (406)451-3652 • ✉ asf@uga.edu • 🌐 www.assefi.org