Sina Sheikholeslami

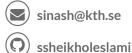✉ sinash@kth.se   🌐 http://sinash.ir/
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Education

Ph.D. Student | Computer Science
KTH | 2019 - Present
- Member of Distributed Computing Group
- Primary Supervisor: Vladimir Vlassov
- Co-supervisors: Amir Payberah & Jim Dowling

M.Sc. | Data Science
KTH & TU Eindhoven | 2017 - 2019
- EIT Digital Master School Scholar
- Thesis: Ablation Programming for Machine Learning
- Advisor: Jim Dowling

B.Sc. | Computer Software Engineering
Amirkabir University of Technology (Tehran Polytechnic) | 2011 - 2016
- Thesis: Implementing a data mining library for streaming data on top of Apache Spark
- Advisor: Amir Payberah

Research Interests

distributed machine learning • systems for machine learning • data-intensive computing • AI safety

Skills

Programming Languages
Fluent
Python • Java
Familiar
Scala • R • JavaScript • C/C++ • SQL

Machine Learning Frameworks
TensorFlow • Keras • NetworkX

Data Engineering
Big Data Platforms & Tools
Apache Spark • Apache Kafka • Apache Ambari
Elastic Stack • Snowplow Analytics
HDP Stack • Splunk Enterprise
Datastores & Databases
Elasticsearch • MongoDB • MySQL
Cloud Services
Amazon Web Services • Microsoft Azure

Languages
English • Farsi

Standard Tests

TOEFL iBT (2015): 114/120
GRE General (2015): Verbal Reasoning 157/170 (74%), Quantitative Reasoning 168/170 (95%), Analytical Writing 4.5 (80%)

Research Experience

RISE SICS AB | Research Intern (Master Thesis)
January 2019 - August 2019

I contributed to design and development of Maggy, a distributed asynchronous computation framework on top of Apache Spark, with APIs for hyperparameter tuning and ablation Studies.

Work Experience

Digikala.com | Big Data R&D Engineer
September 2016 - August 2017

I was responsible for the Big Data analytics stack of the e-commerce business. I was a principal contributor to the Clickstream project for collecting, storing, and analyzing user activity data, and responsible for the LMAP project for enterprise-wide error monitoring and log analysis.

Student Scientific Chapter of CEIT | President
January 2014 - March 2015

I was responsible for and member of executive committees of more than 50 national and international competitions, seminars, workshops, and events. For our work we won the award for the *Best Scientific Chapter of Tehran Polytechnic* for 2 consecutive years, as well as numerous other national awards. I also served on the board of SSC as the *Chief of Informatics* from January 2013 to January 2014.

Teaching Experience

Eindhoven University of Technology | Teaching Assistant
November 2017 - April 2018

Student assistant and tutor for the first offering of *2IAB0 Data Analytics for Engineers*

Amirkabir University of Technology | Teaching Assistant
Fall 2014 & Fall 2012

Operating Systems by Amir Payberah (Fall 2014)
Principles of Computer and Programming by Bahman Pourvatan (Fall 2012)

Selected Talks & Workshops

From Big Data to Fast Data (talk) and *Up & Running with Apache Kafka* (workshop) at the 9th Amirkabir Linux Festival (May 2017)
Deep Learning for Poets workshop with Amir Payberah, where I gave a talk on distributed deep learning (December 2018)

References

Vladimir Vlassov (*vladv@kth.se*) • Amir Payberah (*payberah@kth.se*) •
Jim Dowling (*jdowling@kth.se*) • Sarunas Girdzijauskas (*sarunasg@kth.se*) •
Amir Aghazadeh (*amir.aghazadeh@gmail.com*) •
Hamid R. Zarandi (*h_zarandi@aut.ac.ir*)