

Sina Sheikholeslami

Curriculum Vitae (Last Updated November 2018)

Present Address:

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Educational Background:

- **M.Sc. Student of Data Science**, *Eindhoven University of Technology & KTH Royal Institute of Technology, Under EIT-Digital Master School.*
2017-Present.
- **B.Sc. in Computer Software Engineering**, *Department of Computer Engineering and Information Technology, Amirkabir University of Technology (Tehran Polytechnic).*
2011-2016.
- **Mirza Koochak Khan Pre-College in Mathematics and Physics**, Rasht, *National Organization for Development of Exceptional Talents (NODET).*
Overall GPA: 19.61/20.
2010-2011.
- **Mirza Koochak Khan Highschool in Mathematics and Physics**, Rasht, *National Organization for Development of Exceptional Talents (NODET).*
Overall GPA: 19.17/20, Final Year's GPA: 19.66/20.
2007-2010.

Research Fields of Interest:

- Distributed Deep Learning, Hyperparameter Optimization, AutoML, Data Intensive Computing

Bachelor's Thesis:

- **"SDMiner: A Tool for Mining Data Streams on Top of Apache Spark"**, Under supervision of Dr. Amir H. Payberah (Defended on June 29th 2016).

Computer Skills:

- Programming Languages & Markups:
 - Fluent in Java, Python, Scala, JavaScript, C/C++, Android Program Development
 - Familiar with R, SAS, SQL, Node.js, AngularJS, HTML, JSP
- Big Data Platforms and Tools:
 - Apache Spark, Apache Kafka, Amazon Web Services, Splunk Enterprise, Apache Ambari, Kibana, Logstash, Apache Lucene, Snowplow Analytics
- Datastores and Databases:
 - MongoDB, Elasticsearch, MySQL, Couchbase, AWS Redshift, PostgreSQL
- Data Mining and Machine Learning Tools:
 - Keras, GraphLab Create, Weka, R Studio, RapidMiner
- Operating Systems:
 - Ubuntu Linux, Microsoft Windows, openSUSE Linux, Fedora, OS X

- Development Environments:
 - Eclipse, IntelliJ IDEA, NetBeans, CodeBlocks, Microsoft Visual Studio, Kdevelop

Teaching Experiences:

- **Teaching Assistantship:**
 - **2IAB0 Data Analytics for Engineers**, Dr. Natalia Sidorova, *Eindhoven University of Technology*, Fall 2017 – Winter 2018.
 - **Operating Systems**, Dr. Amir H. Payberah, - *Department of Computer Engineering & IT, Amirkabir University of Technology (Tehran Polytechnic)*, Fall 2014.
 - **Principles of Computer and Programming**, Dr. Bahman Pourvatan, *Department of Computer Engineering & IT, Amirkabir University of Technology (Tehran Polytechnic)*, Fall 2012.
- **Instructor & Lecturer:**
 - **Teacher**, *Java and Android Programming*, Nikan High school, Rasht, Iran, Summer 2015 – Winter 2016.
 - **Teacher**, *Introduction to Computer Sciences and Programming in Java*, Mirza Koochak Khan High school (NODET), Rasht, Iran, Summer 2014.
 - **Teacher**, *Android Application Development*, Mirza Koochak Khan High school (NODET), Rasht, Iran, Summer 2014.
 - **Teacher**, *Fundamentals of Computer Sciences and Programming*, Mirza Koochak Khan High school (NODET), Rasht, Iran, Summer 2012.
 - **Lecturer**, *An Introduction to RoboCup*, Farzanegan High school, Rasht NODET, Iran, December 2008.
 - **Lecturer**, *Assembly for 8051 Microcontrollers*, Mirza Koochak Khan High school, Rasht NODET, Iran, January 2007.

Talks & Presentations:

- **Invited Talks:**
 - **From Big Data to Fast Data**, May 4 2017, 9th Amirkabir National Linux Festival, Amirkabir University of Technology, Tehran, Iran.
 - **How to Live Happily in Linux**, May 15 2015, 7th Amirkabir National Linux Festival, Amirkabir University of Technology, Tehran, Iran.
 - **An Introduction to Tools for Team Coding & Version Control**, December 10 2013, CEIT Amphitheater, Amirkabir University of Technology, Tehran, Iran.
- **Course Presentations:**

The following presentations took place in Department of Computer Engineering & Information Technology, Amirkabir University of Technology (Tehran Polytechnic):

 - **Stream Data Processing: Applications & Methods**, December 13 2015, For *Foundations of Data Mining* course.

- **Tachyon: Memory Throughput I/O for Cluster Computing Frameworks**, December 20 2014, For *Cloud Computing* course.
- **A Brief Review of Android OS Versions**, June 13 2014, For *Research Method & Report Writing* course.
- **A Brief Introduction to Neo4j**, May 12 2014, For *Database Systems & Design Laboratory* course.

Work Experiences:

- **Digikala.com**, As **Big Data R&D Engineer**: September 2016 – August 2017, Tehran, Iran.
- **Card Coffer**, As **Co-Founder & CTO**: August 2015 – Present, Montreal, Canada.
- **Marlik Institute of Innovation and Technology**, As Manager of Software Engineering and IT Group: October 2012 – June 2017, Rasht, Iran.
- Student Scientific Chapter, Department of Computer Engineering & Information Technology, Amirkabir University of Technology (Tehran Polytechnic), As **President** (Elected by votes of Students), January 2014 – March 2015.
- Student Scientific Chapter, Department of Computer Engineering & Information Technology, Amirkabir University of Technology (Tehran Polytechnic), As **Member of Management Board & Chief of Informatics** (Elected by votes of Students), January 2013 – January 2014.
- Teif Saz Sabz Consulting Engineers, As **Informatics & IT Advisor**, and **Software Developer**: January 2005 – September 2016.
- Guilan Soil Laboratory, As **IT Advisor** and **Software Developer**: January 2004 – Present.
- **Campaign for Teaching Computer Sciences & Coding to Primary School Students of Iran**, As **Campaign Content Manager & Member of Executive Board**: June 2015 – December 2015.

Other Executive Experiences:

- **Chair of Student Executive Committee** and **Member of Organizing Committee**, IranMobiCode 2014 & 2014+, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, March 2014 & November 2014.
- **Member of Organizing Committee**, 2nd Amirkabir Artificial Intelligence Competitions (AAIC 2013), Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, October-November 2013.
- **Member of Organizing Committee**, Startup Weekend Tehran, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, 1-3 May 2013.
- **Head Advisor** and **Member of Scientific Committee**, 7th Student Scientific Symposium and Exhibitions, NODET, Rasht, Iran, March 2010.
- **Member of Executive Committee**:
The following national events were held in CEIT Department of Amirkabir University of Technology (Tehran Polytechnic):
 - 4th, 5th, 6th, and 7th Amirkabir Linux National Festival, May 2012, 2013, 2014, 2015.
 - 1st Amirkabir Video Game Development Festival, May 2012.
 - 1st National Workshop of Cloud Computing, December-November 2012.

Honors and Awards:

- **1st Place**, Technical Challenge, Rescue Simulation League, RoboCup IranOpen 2013, Tehran, Iran, As a member of S.O.S Team, April 2013
- **3rd Place**, Rescue Agent Simulation League, RoboCup IranOpen 2013, Tehran, Iran, As A Member of S.O.S Team, April 2013
- **16th Place**, Soccer 2D Simulation League, **RoboCup World Championships 2009**, Graz, Austria, As a member of LEAKIN'DROPS Team, July 2009.
- **12th Place**, Soccer 2D Simulation League, **RoboCup World Championships 2008**, Suzhou, China, As a member of LEAKIN'DROPS Team (World's only high school team), July 2008.
- **Award for Best Student Scientific Chapter of University**, as The Head of Department of Computer Engineering & Information Technology's Student Scientific Chapter, Amirkabir University of Technology, 2015.
- **Award for Best Student Scientific Chapter of University**, as a Member of Department of Computer Engineering & Information Technology's Student Scientific Chapter, Amirkabir University of Technology, 2014.
- **1st Place**, GSTP Premier Ideas Festival, *Design and Implementation of a Soccer 2D Simulation Team: LEAKIN'DROPS*, Rasht, Iran, November 2008.
- **2nd Place**, Rescue Agent Simulation League, CaspianCup 2012 National Robotics Competitions (Organized by Guilan University), Rasht, Iran, As the Team Leader/Member of CARBON Team, April 2012.
- **1st Place**, Soccer 2D Simulation League, First National RoboLeague Competitions, Bushehr, Iran, As a member of Marlik Team, January 2009.
- **1st Place**, Path Finder Robots League, Second HelliRobosaz Competitions, Tehran, Iran, As a member of SPEEDO Team, January 2006.
- **10th Place**, Advanced Path Finder Robots League, HelliCup 2006, Tehran, Iran, As a member of SPEEDO Team, February 2006.
- **Distinguished Judge**, 7th Student Scientific Exhibitions, NODET, Rasht, Iran, March 2010.
- **Distinguished Youth Award for Outstanding International Scientific Achievements**, National Youths Organization, 2009.

Languages & Standard Tests:

- English: Native / Bilingual Proficiency
 - **TOEFL iBT** (September 2015): **114/120**
Reading 30/30, Listening 30/30, Speaking 24/30, Writing 30/30
 - **GRE General** (November 2015):
Verbal Reasoning 157/170 (74%), Quantitative Reasoning 168/170 (95%), Analytical Writing 4.5 (80%)
- Farsi: Native / Bilingual Proficiency