





Hadi Safari

🌐 www.hadisafari.ir
✉ hadi@hadisafari.ir

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hadisfr  | hadi_sfr 

School of Electrical and Computer Engineering, University of Tehran, Tehran, Iran

EDUCATION

- ◇ **B.Sc., Computer Engineering: Software Engineering** 2015 – Present
University of Tehran, Tehran, Iran
Thesis: *Network Analysis of Projects and Users of GitLab*
Current GPA: 17.43 / 20
Selected Courses: *Formal Methods in Software Engineering, Algorithmic Graph Theory, Computer Networks, Operating Systems, Computer-aided Design, and Theory of Formal Languages and Automata*
- ◇ **Pre-University, Mathematical & Technical Science** 2014 – 2015
NODET (SAMPAD) Beheshti High school, Shahr-e Kord, Iran
- ◇ **Diploma, Mathematics & Physics** 2011 – 2014
NODET (SAMPAD) Beheshti High school, Shahr-e Kord, Iran

RESEARCH INTERESTS

Network Science, Social Network Analysis, Logic, and Formal Methods

PUBLICATIONS

- ◇ Hadi Safari. A way to encrypting strings using multidimensional arrays. In *5th Congress of Basic Sciences of Sampad*, Kerman, Iran, may 2013. Allameh Helli 1 High school. Ranked 3rd in Mathematics & Computer Science.
- ◇ Hadi Safari. Reviewing some properties of n-th-order stars. *Roshd-e Borhan-e Motavasseta 2*, 23(2):26, 29, 2014.
- ◇ Hadi Safari. Statistical analyse of semantic affinity questions' sources in sarasari public exams. *Roshd-e Ma'arif-e Islami*, 26(4):33, 34, 2014.

TEACHING EXPERIENCE

- ◇ **Teaching Assistant, Advanced Programming** Fall 2018
University of Tehran, Tehran, Iran for Dr. Mohammad Amin Sadeghi
- ◇ **Teaching Assistant, Advanced Programming** Spring 2018
University of Tehran, Tehran, Iran for Dr. Ramtin Khosravi & Dr. Mohammad Amin Sadeghi
- ◇ **Teaching Assistant, Theory of Formal Languages & Automata** Spring 2018
University of Tehran, Tehran, Iran for Hakimeh Fadaei
- ◇ **Teaching Assistant, Advanced Programming** Fall 2017
University of Tehran, Tehran, Iran for Dr. Ramtin Khosravi & Dr. Mohammad Amin Sadeghi
- ◇ **Teaching Assistant, Theory of Formal Languages & Automata** Fall 2017
University of Tehran, Tehran, Iran for Hakimeh Fadaei
- ◇ **Teaching Assistant, Advanced Programming** Spring 2017
University of Tehran, Tehran, Iran for Dr. Ramtin Khosravi & Dr. Mohammad Amin Sadeghi
- ◇ **Teacher, Literature for National Olympiad** 2017
NODET (SAMPAD) Ejei 2 High school, Isfahan, Iran
- ◇ **Teacher, Literature for National Olympiad** 2016
Adab High school, Tehran, Iran

- ◇ **Teacher, Literature for National Olympiad**
NODET (SAMPAD) Beheshti High school, Shahr-e Kord, Iran

2015
- HONOURS &
AWARDS

- ◇ **National Gold Medal, the 27th Iranian National Olympiad in Literature**
Summer 2014
Young Scholars' Club, Tehran, Iran
 - ◇ **Ranked 11th (Team) in Sharif 4th National Students' Competition** 2014
Sharif University of Technology, Tehran, Iran
- WORK EXPERIENCE

- ◇ **Information Technology Summer Intern** 2018
ITC Center, Shahr-e Kord University, Shahr-e Kord, Iran
 - ◇ **UI Developer** 2016
Zagros Communications Development Co., Shahr-e Kord, Iran
 - ◇ **Editor** 2016
KheiliSabz Publication, Tehran, Iran
- SELECTED
PROJECTS

- ◇ **Sublime Text Markdown Preview Plug-in (contributor)** ~ Open-source Project (Python) 2018
add GitLab Support to the plug-in
 - ◇ **TehranReport** ~ Open-source Project (L^AT_EX) 2018
a simple L^AT_EXclass for University of Tehran reports based on *report* L^AT_EXclass
 - ◇ **Khane-Be-Doosh** ~ Internet Engineering (Java, HTML5, CSS3, ReactJS, SQLite) 2018
a house rent & sell online platform
 - ◇ **TCP over UDP** ~ Computer Networks (Java) 2018
an implementation of a TCP-like RDT protocol over UDP
 - ◇ **Wikipedia Word Count** ~ Computer Networks (Java, Hadoop, Docker) 2018
a simple map-reduce program using Hadoop to count words in Wikipedia texts, an enhanced version of Hadoop example
 - ◇ **Graph Colouring** ~ Algorithmic Graph Theory (R) 2018
greedy & ILP solution for graph colouring problem
 - ◇ **Moodle Judge** ~ Advanced Programming (as TA) (Bash Script) 2018
judge script for Moodle-uploaded codes
 - ◇ **ATALK Compiler** ~ Compiler Design and Implementation (ANTLR4, Java) 2018
a compiler for *ATALK*, an actor-based programming language
 - ◇ **MIPS over FPGA** ~ Computer Architecture Lab (Verilog HDL) 2018
simulation of MIPS pipelined processor on *Intel Altera Cyclone II* FPGA
 - ◇ **Agnoster Bash Theme** ~ Open-source Project (Bash Script) 2017
a bash theme like Agnoster zsh theme
 - ◇ **Twitter Followings Clustering** ~ Open-source Project (Python) 2017
a simple Twitter followings clustering script
 - ◇ **DMContest (collaborator)** ~ (NodeJS, JQuery 3, HTML 5, CSS 3) 2017
a website for Discrete Mathematics contest of University of Tehran
 - ◇ **BookSvr** ~ Advanced Programming (C++) 2016
a git-like tool for writers and editors
 - ◇ **Qbby** ~ Advanced Programming (C++, SDL 2) 2016
a simple SDL2 game

VOLUNTEER EXPERIENCE	<ul style="list-style-type: none"> ◇ Executive Committee Member, The 2nd CSI International Symposium on Real-Time and Embedded Systems and Technologies (RTEST) <i>May 2018</i> University of Tehran, Tehran, Iran http://2018.rtest-conf.org ◇ Editor, F1 Magazine <i>2017</i> ACM Student Chapter, University of Tehran, Tehran, Iran ◇ Editor, Derang Magazine <i>2017</i> University of Tehran, Tehran, Iran
SKILLS	<p>Programming Languages skilled in Python, experienced in C & C++, traditional web technologies (HTML 5, and CSS 3), Bash Scripting, Verilog HDL, and familiar with Java, SQL, JavaScript (pure JS, NodeJS, ReactJS, and jQuery), R, and PHP</p> <p>Tools proficient in git, skilled in terminal & CLI, L^AT_EX, Gephi, networkx, Switch & Router Setup, familiar with Docker, junit, and Quartus II, and Computer Graphics (GIMP, InkScape, and ffmpeg)</p>
CERTIFICATIONS	<ul style="list-style-type: none"> ◇ Git Workshop <i>2017</i> ACM Student Chapter, University of Tehran, Tehran, Iran ◇ Workshop on Teaching Assistant Training <i>2017</i> UNESCO Chair on Engineering Education, University of Tehran, Tehran, Iran
HOBBIES	Photography, Wooden Mosaic (Moarraaq), and Reading
REFERENCES	Available upon request.