

Nazanin Mashhadi Tafreshi

Email: m_tafreshi@email.kntu.ac.ir
Phone: +98 912 845 7569



Education

- 2014–present BSc, Computer Hardware Engineering, K.N. Toosi University of Technology,
Overall GPA: 16.39/20 (top 15% in the class)
Last 2 years GPA: 17.79/20
Selected Coarses: Database: 20, Microprocessor & Assembly Language Programming: 18.5,
Computer Network: 18.5, Operating System: 18.1, Electronic circuit: 18, Computer Aided
Digital System Design: 17.25, Hardware-Software co-design: 17.5
Compiler: 17.5 (all scores are out of 20)
- 2010-2014 Diploma in Mathematics and Physics, Overall GPA: 19.70/20.00

Fields of Interests

Machine Learning
Cognitive Science
Internet of Things and Sensor Cloud
Big Data and Scalable Computation

Publications

Ayoubi, G., Sedighian Kashi, S., Mashhadi Tafreshi, N., "Service Level Agreement in sensor-cloud," *3rd conference on Recent Innovations in Electrical and Computer Engineering*, Tehran, Iran, 2016

Honors and Awards

- September 2016 2nd Place, Puyesh Nasir, K.N. Toosi University of Technology Project's Competition, Tehran, Iran
- 2014 Ranked in the top 1% among approximately 200,000 participants in the Nationwide University Entrance Exam in the field of Mathematics and Physics for Bachelor of Science degree, Tehran, Iran
- December 2016 2nd Place in volleyball competition, KNTU team, university tournament

Academic Projects

Ongoing Project at IPM, Diabetic Retinopathy Detection
Advisor: Dr. Dara Rahmati

Technical Skills

Programming

Proficient in: Java, Object Oriented Programming, JavaFX, VHDL.

Familiar with: Python, C, C++, Android, Functional Programming, Design Patterns, Scratch, CUDA, OpenMP.

Software

MATLAB, Corel, Latex, Adobe Photoshop.

Databases

MySQL and SQLite, Oracle.

Operating Systems

Linux and Windows.

Professional Experience

Fall 2018	Data Structure Teaching Assistant, K.N. Toosi University of Technology
Summer 2018	Researcher at IPM: Working on Anomaly Detection
Spring 2018	Database Teaching Assistant, K.N. Toosi University of Technology
Spring 2018	Java Core Programming Instructor, Introductory course on Java Programming for a beginner.
Summer 2017	Internship at IPM: Learning CUDA and OpenMP
Spring 2017	Algorithm Teaching Assistant, K.N. Toosi University of Technology
Spring 2017	Advanced Programming in java Teaching Assistant, K.N. Toosi University of Technology
Fall 2015-2017	Website Administrator at Amethyst company
Fall 2016	Data Structure Teaching Assistant, K.N. Toosi University of Technology
Fall 2015	English Teacher: Pre-Intermediate level

Certificates

August 2018	Python Programming: A Concise Introduction Wesleyan University.
August 2016	Introduction to Big Data University of California, San Diego.
July 2016	Algorithmic Toolbox University of California, San Diego & Higher School of Economics.
February 2016	Object Oriented Programming in Java University of California, San Diego.
February 2016	Java Tutorials for complete beginners On Udemy online courses.

Interests and Hobbies

Volleyball

Traditional, Pop Music