

Majid Askari

CONTACT

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EDUCATION

Software Engineering 2015 Present

Ferdowsi University of Mashhad

With a total GPA of 17.63 (out of 20) and 19.1 (out of 20). Ranked first (among 105 students) based on semester average for 2 consecutive semesters.

Mathematics and Physics 2011 2015

Hashemi Nejad High School (NODET)

Graduated with a GPA of 18.11

WORK EXPERIENCES AND MEMBERSHIPS

Freelancer 2015 Present

Translator

Translating articles, papers and Documentaries from English to Persian and vice versa.

Escape Scientific Magazine 2017 Present

Editor in Chief

In charge of creating editorial boards, reviewing and editing articles and budget management.

Nexus Simulation Lab 2017 2019

2D Team Member, 2D Team Leader for ShirazOpen Competitions

Implementing various Decision making and learning algorithms and creating formations.

Dependable Distributed Embedded Systems (DDEmS) Laboratory 2018 Present

Member of Lab

Ima Messenger 2018 Present

Database Manager and Backend Developer

Designed application architecture and APIs. Implemented the server using Node.js and MongoDB. Responsible for server load balancing, data sharding and traffic management under high loads.

Freelancer 2017 Present

Telegram Developer

Developed Telegram Bots in PHP.

Magicgram 2017 2017

Backend Developer

Developed a Bot, Based on Instagram API in Python

Set up a server using Bottle library

Tamirkara Startup Jan 2017 2018

Co Founder, application Developer

Created an Android application using Ionic cross platform framework

TEACHING EXPERIENCE

Payame Noor University June 2018 Aug 2018

Robbocup Soccer Simulation

Teaching Robbocup soccer simulation and basic AI algorithms for IranOpen and Asia Pacific Robbocup competitions.

Private Tutor 2015 Present

Teaching different Programming Languages.

Ferdowsi University of Mashhad
Teaching ARM Microcontroller programming. Feb 2019 Present

TEACHING ASSISTANCE

Computer Architecture Oct 2017 Present
Dr. Hamid Noori
Responsible for assigning and grading Verilog and Simulation Projects.

Operating Systems Design Sept 2018 Present
Dr. Saeid Abrishami
Responsible for assigning OS/161 projects, Assignments and holding a class each week.

Operating Systems Design Sept 2018 Present
Dr. Mohsen Asadi
Responsible for assigning OS/161 projects, Assignments and holding a class each week.

Operating Systems Design Feb 2018 Present
Dr. Mohammad Allahbakhsh
Responsible for assigning OS/161 projects, Assignments and holding a class each week.

Microprocessors and Assembly Language Sept 2018 Present
Dr. Yasser Sedaghat
Responsible for teaching ARM STM32 Microcontroller programming to a class of 50. Designed game for the final Course Project.

Computer Aided Design of Digital Systems Feb 2019 Present
Dr. Mariam Zomorodi-Moghadam
Responsible for setting projects to be programmed in VHDL and synthesized on FPGA Boards.

Logic Circuits Sept 2018 Feb 2019
Dr. Yasser Sedaghat
Responsible for teaching Proteus, assigning and grading Proteus and Verilog projects.

Theory of Languages and Machines Oct 2017 June 2018
Dr. A Savadi
Responsible for setting and grading JFLAP and paper assignments, ANTLR Projects and holding a class each week.

Theory of Languages and Machines Feb 2018 June 2018
Dr. Saeid Abrishami
Responsible for setting and grading ANTLR Projects and JFLAP Assignments.

QUALIFICATIONS

Bronze Medal, ACM ICPC Asia Region Contests Tehran 2018.
Selected student for the year of 2018 (among 105).
2nd Place at Khorasan's Startup Marathon.
Ranked 2nd Team among Ferdowsi university teams for ACM-ICPC Asia Regional qualification contests.
Participated in Recsys 2019 competitions.
Completed Flight Gear Development Course at Ferdowsi university of Mashhad and SunAir Institute.

PREVIOUS PROJECTS

Implemented various Data Mining algorithms and parallel scripts in Python and Java.
A hotel recommender system based on trivago dataset.
A hybrid book recommender system.
Content similarity detection system for large text corpora.
A bot to test websites against code best practices and accessibility problems.
A number of crawler robots for various purposes.
Cloud infrastructure management system based on Kubernetes (K8s).
Image classifier on MNIST.
Designed FPGA Programs for Altera Cyclone II and Cyclone IV in Quartus prime, including some Protocol implementations and a Pipelined CPU.
Online SMS Panel based on STM32F4 Development Board.

SKILLS

Developing desktop applications in Java, C, C# and Python.
Implementing data mining algorithms for recommender systems, plagiarism and copy detection and information retrieval systems.
Experienced in web server programming using Python, Node.js, Java Spring and PHP.
Experienced in microcontroller programming using ARM STM32.
Behavioral and RTL description of digital circuits and functional simulation through test-benches in VHDL and Verilog.
FPGA Design using VHDL and Verilog.
Good at problem solving.

Fast learner.

TOOLS I WORK WITH

Languages: Java, C, Python, PHP, Matlab, Prolog, C# and C++.
Frameworks and libraries including Apache Mahout, Apache lucene, Selenium WebDriver, Scrapy, Spring, Laravel, Express, JavaFX, Kubernetes, Docker Swarm.
Databases: MySQL, SQL-Server, MongoDB, Redis.
Operating Systems: Ubuntu, CentOS, Windows 10, Raspbian, ChibiOS.

SELECTED COURSES

Artificial Intelligence and Expert systems: 20 (out of 20)
Software Engineering: 19.25 (Top of class)
Software Testing: 19.61
information Retrieval: 20
Database Design: 18,5 (2nd in Class).
Database Design lab: 20.
Data Structures and Algorithms: 20
Algorithms Design: 19,71
Compiler Design Concepts: 20
Operating systems: 19.25

INTERESTS

Data Mining
Big Data
Distributed Handling of large amounts of data
Cloud Computing
Software Engineering

REFERENCES

References available upon request.