

Iman Tabrizian

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EDUCATION

AMIRKABIR UNIVERSITY

BS IN COMPUTER ENGINEERING

2014 - 2018 (Expected) | Tehran, Iran

Cum. GPA: 18.13 / 20 or 3.78 / 4.0

RESEARCH INTERESTS

Internet of Things
Cloud Orchestration
Software Defined Networking

LINKS

Github:// [Tabrizian](#)
LinkedIn:// [tabrizian](#)
StackOverflow:// [iman](#)

COURSEWORK

UNDERGRADUATE

Computer Networking (18.3 / 20)
Operating Systems
Data Structures & Algorithms (20 / 20)
Algorithm Design (20 / 20)
Theory of Machines & Languages (18.5 / 20)
Engineering Statistics (19.7 / 20)
(Teaching Asst 3x)

SKILLS

PROGRAMMING

Over 5000 lines:

Java • Python • Javascript

Android • Node.js

C • C++

VHDL • PHP

Over 1000 lines:

CSS • Assembly

Familiar:

MySQL • Verilog • MongoDB

FRAMEWORKS

ONOS • Docker • Swarm

Kaa IoT Platform • Lelylan IoT Platform •

OpenStack • Open vSwitch •

Mininet • Hapi.js • Vue.js

LANGUAGES

English: professional working proficiency
(TOEFL iBT 107)

Persian: Native proficiency

RESEARCH & DEVELOPMENT EXPERIENCE

FARZAN FAN ANDISH FARDA | IOT RESEARCHER & DEVELOPER

Jun 2016 – Current | Tehran, Iran

- Development of a product for remote management of 250 welding robots for IKCO - leading car company in Iran. The solution that we proposed simplified the provisioning process extremely and helped them increase the number of welding robots in each production line.
- R&D for development of an IoT based assembly platform which eased the production of hard to assemble products. This platform used MQTT as the messaging broker and Node.js as the backend providing restful web services for things connecting to them.

UNIVERSITY OF TORONTO | RESEARCHER

Jun 2016 – Current

Development of a generic orchestration platform with the ability to auto scale the infrastructure of an application based on the user defined criteria. It is written extremely modular and currently supports OpenStack. It is an open source project you can view the source code: github.com/genorch/orchestration

ICT OF AMIRKABIR UNIVERSITY OF TECHNOLOGY | DEVELOPER

Jun 2016 – Nov 2016 | Tehran, Iran

Development of a system to automatically fetch meta data about scientific papers from different sources and merge the data into a specified format.

AUT IOT LABORATORY | RESEARCHER & DEVELOPER

Jan 2016 – Nov 2016 | Tehran, Iran

Development of an IoT platform with the ability to support logging, event triggering, scenario creation. It was based on the MQTT protocol for the reliable and bidirectional communication between IoT devices. Under supervision of Prof.

Bahador Bakhshi

EXTRA CURRICULAR ACTIVITIES

8TH LINUX FESTIVAL | VIRTUALIZATION WORKSHOP

2017 | Amirkabir University of Technology

I was the instructor about the virtualization technologies in general and how to use Docker specifically for containerization.

NODE.JS SUMMER COURSE | INSTRUCTOR

Summer 2017 | Computer Department Scientific Committee

Teaching Node.js basics from the ground to web application and bot development.

7TH LINUX FESTIVAL | LINUX BASICS PRESENTER

2016 | Amirkabir University of Technology

I had a 20 minutes talk about code editing in Linux and about best practices in code editing.

AWARDS

2017	top 10 %	in terms of cumulative G.P.A among all the students
2017		Offered direct admission to continue graduate studies without exam
2015		Eligible to choose second major due to outstanding performance
2014	1 st	among all entrance students in 14 th Amirkabir ACM-ICPC
2014	top 0.007 %	in the national university entrance exam