

Iman Tabrizian

Curriculum Vitae

Contact Info

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Github github.com/tabrizian

Interests

- Internet of Things (IoT)
- Computer Networks
- Web development

Education

- 2010–2014 **Diploma of mathematics and physics**, *Rouzbeh High School*, Tehran, Iran.
◦ GPA 19.34 / 20
- 2014–current **Undergraduate sophomore, Computer Engineering**, *Amirkabir University of Technology*, Tehran, Iran.
◦ Current GPA is 18.47 / 20 (68 / 144 units)

Honors

- 2016 Presenter at 8th Amirkabir Linux Festival
- 2015 Eligible to choose second major due to outstanding performance
- 2014 First team among all the entrance participants in 14th ACM-ICPC, Amirkabir University of technology.
- 2015 Among the finalists of the 7th Java Challenge.
- 2015 Participated in the 16th ACM-ICPC of West Asia, Sharif University of technology, Tehran, Iran.
- 2012 Accepted in the first phase of the Computer and Mathematics National Olympiad.

Work Experiences

Software developer

2016–current **Member of the IoT laboratory**, *Amirkabir University of technology*, Tehran, Iran.

Creation of middleware to work with different hardware actuators and sensors, and providing services for working with application services and analysis.

2016–current **Software developer**, *Farzan Fanandish Farda*, Tehran, Iran.

Creation of a web-based software that provides APIs for fetching data from the 250 welding robots for Iran Khodro (A car producing company in Iran) and sending weld commands for them.

Summer
2016 Internship at DATA company, Fanap Holding Group

Teaching Experiences

2016 Teaching Assistant, Advanced Programming, Amirkabir University of technology,
Under supervision of Prof. Noorhosseini

2015 Teaching Assistant, Introduction to Programming, Amirkabir University of technology,
Under supervision of Prof. Bakhshi

2014–2015 Teacher, Introduction to programming with C++, Rouzbeh High school, 4 semesters.

Certifications

- o ICDL certificate from Iran ICDL.

Projects - Mostly Available on github.com/tabrizian

2016 IOT Lab project for turning series of lamps on and off and also providing RESTful webservices for turning them on and off.

2016 Creation of NovinNet working application for networking 250 welding robots for Iran Khodro

2015-2016 Iran Metro - An application for timetables and facilities of the metro station. Selected as the **SELECTED NEW APP OF THE WEEK** by cafebazaar (Iranian Android Market)

2016 Goldoon - Project for monitoring your flowers humidity using nodemcu and rpi

2015 RoboKill Implementation of RoboKill game

2015 Implementation of a simple guessing game, this was also ran on AlteraDE2 board - Verilog HDL

Web Technologies

Intermediate Ruby, Ruby on rails, Javascript, Nodejs

Advanced PHP, Laravel framework

Skills and Expertise

Programming Languages

More Familiar

- C
- Java
- PHP
- C++
- VHDL

Familiar

- Verilog HDL
- HTML
- Javascript
- Ruby
- MATLAB
- CSS
- Ruby
- Nodejs

Type Settings

- LaTeX
- LibreOffice
- Microsoft Word
- VIM

Hardware Simulators

- ModelSim
- GHDL
- Quartus

Database Management

MySQL, MongoDB, SQLite, SQL Server *Familiar with SQL and NoSQL databases*

Operating System

Microsoft Windows, Linux (Ubuntu), Raspbian

IDE

Eclipse, Android Studio, IntelliJ IDEA, CLion, PHPStorm

Commandline tools

tmux, ssh, cd, ls, tail, head, less, ... *Familiar with common linux terminal tools*

Build Automations

Makefile, Gradle, Maven, CMake

Misc

Docker

Undergraduate courses

- Introduction to Programming (19.5 / 20)
- Advanced Programming with Java (20 / 20)
- Data structures and algorithms (20 / 20)
- Digital systems design (17.5 / 20)
- Electrical circuits (19.54 / 20)
- Engineering Statistics (19.7 / 20)
- Algorithm Design (20 / 20)

- Principles of database design (17.7 / 20)
- Theory of machines and languages (18.5 / 20)

██████ Languages

- Persian (Native Proficiency)
- English (Professional Working proficiency)