

Iman Tabrizian

Curriculum Vitae

Contact Info

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Github github.com/tabrizian
StackOverflow <http://stackoverflow.com/users/4453461/iman>

Interests

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

Education

- 2014–2018 **Undergraduate, Computer Software Engineering**, *Amirkabir University of Technology*, Tehran, Iran.
(Expected) ◦ Current GPA is 18.47 / 20 (68 / 144 units)
- 2010–2014 **Diploma of mathematics and physics**, *Rouzbeh High School*, Tehran, Iran.
◦ GPA 19.34 / 20

Honors

- 2015 Eligible to choose second major due to outstanding performance
- 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.
- 2015 First team among all the entrance participants in 14th ACM-ICPC, Amirkabir University of technology.
- 2012 Accepted in the first phase of the Computer and Mathematics National Olympiad.

Public Speaking

- 2016 **Presenter at 8th National Linux Festival**, *Amirkabir University of technology*, Tehran, Iran.

Work Experiences

- 2016–current **Member of the IoT labratory**, *Amirkabir University of technology*, Tehran, Iran.
Creation of middleware to work with different hardware actuators and sensors, and providing RESTful 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 DATAX 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 Providing a middleware for connecting series of sensors with different protocols to the internet.
- 2016 Creation of NovinNet working application for networking 250 welding robots for Iran Khodro
- 2016 Goldoon - Project for monotrning your flowers humidity using nodemcu and rpi
- 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)
- 2015 RoboKill Implementation of RoboKill game
- 2015 Implementation of a simple guessing game, this was also ran on AlteraDE2 borad - Verilog HDL

Web Technologies

- Intermediate Ruby, Ruby on rails, Javascript, Nodejs
- Advanced PHP, Laravel framework

Skills and Expertise

- **Web Programming.**
PHP, Ruby, HTML, CSS, Javascript, Nodejs

- **General Software Programming.**
Matlab, Java, C/C++
- **Hardware Design Languages.**
Verilog, VHDL
- **Type Setting.**
VIM, L^AT_EX, LibreOffice, Microsoft Word
- **Hardware Simulators.**
ModelSim, Quartus, GHDL
- **DBMS.**
MySQL, MongoDB, SQLite, SQL Server
- **Operating Systems.**
Microsoft Windows, Linux (Ubuntu), Raspbian
- **IDE.**
Eclipse, Android Studio, IntelliJ IDEA, CLion, PHPStorm
- **Commandline tools.**
tmux, ssh, cd, ls, tail, head, less, grep, ...
- **Build Automations.**
Makefile, Gradle, Maven, CMake
- **Misc.**
Docker - see hub.docker.com/u/tabrizian/

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)

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References available upon request