

# Iman Tabrizian

## Curriculum Vitae

### Contact Info

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Github [github.com/tabrizian](https://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 18.44 / 20 (68 / 144 credits)
- 2010–2014 **Diploma of mathematics and physics**, *Rouzbek High School*, Tehran, Iran.  
◦ GPA 19.34 / 20

### Honors

- 2015 Eligible to choose a second major due to outstanding performance.
- 2015 Chosen as finalists at 7<sup>th</sup> Java Challenge. (As a member of our team)
- 2015 Participated in the 16<sup>th</sup> ACM-ICPC of West Asia, Sharif University of Technology, Tehran, Iran.
- 2015 Ranked 1<sup>st</sup> among undergraduate students of Computer Engineering, 2014 beginners, 14<sup>th</sup> 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 Experience

- 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 RESTful services for working with application services and analysis. Source code and more info is available at here <https://github.com/AoLab/I1820>
- 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 Experience

- 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.

## Projects - Mostly Available on [github.com/tabrizian](https://github.com/tabrizian)

- 2016 Providing a middleware for connecting series of sensors and actuators with different protocols to the internet. **Python** → [link](#)
- 2016 Creation of *NovinNet* application for networking 250 welding robots for Iran Khodro. **PHP Laravel** → [link](#)
- 2016 Goldoon - Project for monitoring flowers humidity using nodemcu and RPi. **C++**, **NodeJS** → [link](#)
- 2015-2016 Iran Metro - An application for timetables and facilities of the metro station. Honored as the **SELECTED NEW APP OF THE WEEK** by cafebazaar (Iranian Android Market) **Java Android** → [link](#)
- 2015 RoboKill Implementation of RoboKill game **Java** → [link](#)
- 2015 Implementation of a simple guessing game, this was also executed on AlteraDE2 board - **Verilog HDL** [link](#)

## Skills and Expertise

- **Web Programming.**  
PHP, Ruby, HTML, CSS, Javascript, Nodejs, Laravel
- **General Software Programming.**  
Matlab, Java, C/C++
- **Hardware Design Languages.**  
Verilog, VHDL
- **Type Setting.**  
VIM, L<sup>A</sup>T<sub>E</sub>X, 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.**
- **Build Automations.**  
Makefile, Gradle, Maven, CMake
- **Misc.**  
Docker - see [hub.docker.com/u/tabrizian/](https://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)

## References

References available upon request