# Iman Tabrizian

## Curriculum Vitae

## Contact Info

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

## Research Interests

○ Internet of Things (IoT)

○ Computer Networks

○ Distributed Systems

## Education

**2014–2018 (Expected)** **Undergraduate, Computer Software Engineering**, *Amirkabir University of Technology*, Tehran, Iran.

○ Current GPA 18.44 / 20 (68 / 144 credits)

**2010–2014** **Diploma of mathematics and physics**, *Rouzbeh 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 $7^{th}$ Java Challenge. (As a member of our team)

**2015** Participated in the $16^{th}$ ACM-ICPC of West Asia, Sharif University of Technology, Tehran, Iran.

**2015** Ranked $1^{st}$ among undergraduate students of Computer Engineering, 2014 beginners, $14^{th}$ 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 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. 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

**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 monotring 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 borad - **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, LaTeX, LibreOffice, Microsoft Word

- **Hardware Simulators**.
  ModelSim, Quartuas, 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/

## 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)

## Refrences

References available upon request