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 (Expected) **Undergraduate, Computer Software Engineering**, *Amirkabir University of Technology*, Tehran, Iran.
- 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 a second major due to outstanding performance.

2015 Chosen as finalists at 7th Java Challenge. (As a member of our team)

2015 Participated in the 16th ACM-ICPC of West Asia, Sharif University of Technology, Tehran, Iran.

2015 Ranked 1st among undergraduate students of Computer Engineering, 2014 beginners, 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 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/l1820

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.

Certifications

○ 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. Python

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

2016   Goldoon - Project for monotring your flowers humidity using nodemcu and rpi. C++

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

2015   RoboKill Implementation of RoboKill game Java

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

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**.
  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)

▬▬▬▬ Refrences

References available upon request