# Hadi Lashkari-Ghouchani

*Curriculum Vitae*

*Phone:* +98-939-125-8116
*Email:* hadilashkari@gmail.com

## Positioning Statement

Quick learner, passionate developer and curious mathematician.

## Education

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|---|---|---|---|---|---|
| **SHARIF UNIVERSITY OF TECHNOLOGY** | M.Sc. | Physics | | Feb. | 2010 |
| GPA: | A | (17.08/20=85.4%) | | Sep. | 2007 |
| **PAYAME-NOOR UNIVERSITY OF MASHAD** | B.Sc. | Physics(Applied Solid state) | Jul. | 2007 |
| GPA: | B | (15.09/20=75.4%) | | Sep. | 2002 |

## Computer Skill

### ANDROID LIBRARY

Live Data, Veiw Model, Dagger 2, RxAndroid, RxJava, Butter Knife, OrmLite, Time4A

Google map, Firebase, Volley, Retrofit, OkHttp, One Signal, EventBus

Familiar with ARToolkit and jni development

### ANDROID TEST LIBRARY

Mockito Framework, Espresso Framework

### TOOL

Gradle, Ant, Make, CMake, Git, Subversion, Mercurial

Android SDK and its command line, Android NDK

### OPERATING SYSTEM

Linux(Ubuntu, Debian, Fedora), Android, Os X

### OPERATING SYSTEM TOOL

Linux & Os X: Bash, Zsh, grep, sed, netstat, ps, screen, etc.

Android: adb, android, emulator, sdkmanager, etc.

### DEVELOPMENT TOOL

Atlassian Jira, Atlassian Confluence, Gitlab, Jenkins, JFrog, etc.

### LANGUAGE

Java 7, 8, Python 2, 3, Groovy, Javascript, Rust, C/C++, C#, etc.

### SPECIAL SOFTWARE

LaTeX, Mathematica, Sage, Ofbiz

Familiar with Mathlab, Euler, Maxima

### BACK-END DEVELOPMENT

PostgreSQL, MySQL, MsSql, JPA

Spring boot Framework, Protobuf, RESTful

PHP, YII, HTML5/CSS3, jQuery, NodeJS, Ajax, JSON

Tomcat, Nginx

# Work Experience

### TV Maze Sample

Fall 2017
A sample Android app for TVmaze API

It uses Dagger, RxAndroid, LiveData, ViewModel, etc.

Github

### Note Taking

Summer 2017
To save and remember your notes. Anyone can organize their notes in
a free and simple way with this app.

It supports unlimited tree structure to organize notes in directories.

You can change the style of your note, such as bold, etc.

It uses Dagger, OrmLite, RxAndroid, etc.

Gitlab, Google Play

### Free Map

Winter 2016
Just a hobby android project

This project allows anyone to pick a place on map and make
a post to see by others.

It contains Android project as the client side beside a Spring server

It uses Dagger, OrmLite, RxAndroid, Google Map, Retrofit, JPA, etc.

Github, Google Play

### Hasin Technology

*From* fall 2015
*Responsibility:* Senior Android Developer

*To* present
*Project:* Implementation of search page, inbox page,
handling Android intents, managing analytics' events
and many other parts of Myket with scrum planning.

*Project:* Improvement in Gradle configurations of Myket,
such as handling some tasks by defining Groovy functions.

*Project:* Improvement in Maven configurations of Myket
to handle downloading of dependencies from locale JFrog server.

*Project:* Configuration of Jenkins pipeline of Myket
to handle continuous integration with emulators and everything.

*Project:* Starting test driven development in Myket team.

### Soha Company

*From* spring 2015
*Responsibility:* Programmer

*To* summer 2015
*Languages:* Java, Jetty, Android, JSON, C#, Sql Server, SOAP

*Project:* Controlling and saving traffic of employees

*Project:* Developing a messenger

### Persian Calendar

Fall 2014
Open Source

*Implemented by:* Python 2. *Source:* en.wikibooks.org

*Implemented by:* Java. *Source:* github.com

### Payame-Noor University

*From* spring 2012
*Responsibility:* Lecturer

*To* fall 2014
*Courses Taught:* Mathematical Physics

*Courses Taught:* Classical Mechanics

*Courses Taught:* Application of Computers in Physics

*Courses Taught:* Waves

# Special Honor

**44th** rank
Among more than **five thousand** participants in the **Nationwide Graduate Entrance Exam** in Physics and Nanophysics branch at Spring 2007.

**First rank**
Among all students of Physics group of Payame-Noor University (50 students).

## Language

**ENGLISH**    *iBT:89*

**FARSI**    *Mother Tongue*

## Research

**PUBLICATION:**

Spring 2015    *Conservation of Optical Chirality in Superconductors as a measure for 5 dimensional Electromagnetism arXiv:1507.03517*

     Cooperating with: *Hossein Alizadeh, graduate student at Boston University*

**PUBLICATION:**

Spring 2014    *Energy-momentum conservation and Lipkin's zilch arXiv:1408.2802*

     Cooperating with: *Hossein Alizadeh, graduate student at Boston University*

**INDEPENDENT RESEARCH:**

Fall 2013    *Electromagnetic's chirality, Metamaterials, Transformation optics*

     Cooperating with: *Hossein Alizadeh, graduate student at Boston University*

**M.Sc THESIS:**

Fall 2010    ***"Holographic Superconductivity and Rotating Black Hole"***

     Supervisor: *Dr. Shahrokh Parvizi*

**B.Sc PROJECTS:**

     *Problem solving and simulating with Mathematica.*

     *Finding eigenvalue of Schrodinger equation with shooting method and etc*

     Supervisor: *Dr. Jamil Ariai*