

# Hadi Lashkari-Ghouchani

## Curriculum Vitae

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## Computer Skill

### ANDROID LIBRARY

LiveData, ViewModel, Dagger 2, RxAndroid, RxJava 2, Butter Knife, OrmLite, Greendao, Time4A  
Google map, Firebase, Retrofit 2, OkHttp 3, Volley, 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(Fedora, Debian, Ubuntu), Android, OS X

### OPERATING SYSTEM TOOL

Linux & OS X: Bash, Zsh, grep, sed, netstat, ps, awk, screen, etc.  
Android: adb, android, emulator, sdkmanager, avdmanager, etc.

### DEVELOPMENT TOOL

Pivotal Tracker, Github, Jenkins  
Atlassian Jira, Atlassian Confluence, Gitlab, JFrog, etc.

### LANGUAGE

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

### SPECIAL SOFTWARE

Mathematica, Sage, Ofbiz, This article is created by using L<sup>A</sup>T<sub>E</sub>X  
Familiar with Matlab, Euler, Maxima

### BACK-END DEVELOPMENT

PostgreSQL, MySQL, MsSql, JPA  
Spring boot Framework, Protobuf, RESTful  
PHP, YII, HTML5/CSS3, jQuery, NodeJS, Ajax, JSON  
Tomcat, Nginx

## Interested In

Open Source programming, Open source communities, which is why my chosen platform is the Android  
Security, RSA, P vs NP problems  
Artificial Intelligence, Deep Learning, Machine Learning  
Mathematics and Physics problems

## Education

SHARIF UNIVERSITY OF TECHNOLOGY	M.Sc.	Physics	Feb.	2010
PAYAME-NOOR UNIVERSITY OF MASHAD	B.Sc.	Physics(Applied Solid state)	Jul.	2007

## Work Experience

### SHEYPOOR

From winter 2018 To present

Responsibility: Senior Android Developer and Functional Manager

Improving the code, such as adding **Dagger** and **Kotlin**, etc.

This app had 12 million users so we have to refactor it cautiously to achieve MVP architect, by using **Agile** terminology and **Kanban**.

Implementing new features and redesign.

Improvise functional programming, mainly by **Rx**.

As the functional manager, review codes, teach and increase the code quality.

### 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 To fall 2017

Responsibility: Senior Android Developer

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 To summer 2015

Responsibility: Programmer

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](http://en.wikibooks.org)

Implemented by: Java. Source: [github.com](https://github.com)

### PAYAME-NOOR UNIVERSITY

From spring 2012 To fall 2014

Responsibility: Lecturer

Courses Taught: Mathematical Physics, Classical Mechanics, Waves

Courses Taught: Application of Computers in Physics

## 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).
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## Language

- ENGLISH** iBT:89
- FARSI** Mother Tongue
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## Research

### INDEPENDENT RESEARCH:

- Spring 2018 The dimension of the spacetime is a measure of Entropy  
License: [Green open access](#)

### 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 Ariaei
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