

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 L^AT_EX
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 6 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, coach and increase the code quality.
[Google Play](#), [Cafe Bazaar Store](#)

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
Implemented by: Java. Source: 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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