Hadi Lashkari-Ghouchani
Curriculum Vitae

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Computer Skill

ANDROID LIBRARY

LiveData, VeiwModel, Dagger 2, RxAndroid, RxJava 2, Butter Knife, OrmLite, Greendao, Time4A

Google map, Firebase, Retrofit 2, OkHttp 3, Volley, One Signal, EventBus

Starting with Flutter framework. Familiar with ARToolkit and JNI development.

Familiar with Android Open Source Project (AOSP) repository and building Android

ANDROID TEST LIBRARY

JUnit, Mockito, Espresso framework, Jacoco

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, docker, etc.

Android: adb, android, emulator, sdkmanager, avdmanager, repo command of AOSP, etc.

DEVELOPMENT tool

Pivotal Tracker. Github, Jenkins

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

LANGUAGE

Java 7, 8, Kotlin, Python 2, 3, Groovy, Dart, Javascript, etc.

SPECIAL SOFTWARE

Mathematica, Sage, Ofbiz, This article is created by LaTeX

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

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	Responsibility: Senior Android Developer and Functional Manager
To present	Improving the code, such as adding `Dagger` and `Kotlin`, etc.
	This app had 9+ million users so we have to refactor it cautiously
	to achieve `MVP` architecture, by using `Agile` terminology and `Kanban`.
	Implementing new features, such as loading static data on compile time, etc.
	Improvise functional programming, mainly by `Rx`.
	As the functional manager, review code, mentor and increase the code quality.
	Redesign and rebrand the entire app.
	Google Play, Cafe Bazaar Store, Myket

Note Taking

Summer 2017	To save and remember your notes. Anyone can organize their notes in
Redesign in Spring 2018	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 fall 2017	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 `TDD` (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, 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).

Language

ENGLISH	iBT:89
FARSI	Mother Tongue

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 Ariai