

Hadi Lashkari-Ghouchani

Curriculum Vitae

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Positioning Statement

Quick learner, passionate developer and curious mathematician.

Education

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

Dagger 2, Butter Knife, Ormlite, Time4A, RxAndroid, RxJava, 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 TOOLS

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

DEVELOPMENT TOOLS

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

LANGUAGE

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

SPECIAL SOFTWARE

MapX, 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

FREE MAP

Winter 2016 Just a hobby android project
This project is the proof of concept for its new way of making accounts and also its way of handling offline mode.
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 push notification, help page, search page, inbox, handling intents, sending analytics' events and many other parts of [Myket](#) with a scrum-based 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.
Project: Irancell parental control application.
Its client side entirely implemented by me.
It includes two apps for parent as controller and child as launcher
It uses Dagger, OrmLite asynchronously, Time4A, EventBus, Volley and One-Signal libraries.

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

Fall 2014 *Responsibility:* Lecturer
Courses Taught: Mathematical Physics

SADJAD UNIVERSITY

From fall 2012 *Responsibility:* Lecturer
To spring 2014 *Courses Taught:* General Physics I & II

PAYAME-NOOR UNIVERSITY

From fall 2012 *Responsibility:* Lecturer
To spring 2014 *Courses Taught:* Application of Computers in Physics

PAYAME-NOOR UNIVERSITY

From spring 2012 *Responsibility:* Lecturer
To spring 2013 *Courses Taught:* Waves

PAYAME-NOOR UNIVERSITY

Spring 2012 *Responsibility:* Lecturer
Courses Taught: Classical Mechanics

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
