

Hadi Lashkari-Ghouchani

Curriculum Vitae

Phone1: +98-939-125-8116
Email: hadilashkari@gmail.com

Positioning Statement

Quick learner, talented programmer 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, EventBus Volley, Retrofit, OkHttp One Signal, Tour Guide Android SDK and working with Android NDK
Android Test Library	Mockito Framework, Espresso
Build Tool	Gradle, Ant, Make
Version control	Git, Subversion, Mercurial
OS	Linux(Ubuntu, Debian, OpenSUSE), Android, Os X, Windows
Software Design Pattern	<i>Creational patterns:</i> Abstract factory, Builder, Factory method, Singleton <i>Structural patterns:</i> Adapter, Decorator, Module <i>Concurrency patterns:</i> Active Object, Join, Lock, Reactor Messaging design pattern, Thread pool
Languages	Java 8, Python, Groovy, Bash, C/C++, C# Familiar with Fortran, Perl
Special Software	TEX, Mathematica, Sage, Ofbiz LibreOffice(Writer, Calc, Draw, Impress) Microsoft Office(Word, Excel, Power point, Publisher) Familiar with Mathlab, Euler, Maxima
Web Programming	PHP, YII HTML5/CSS3, Javascript, jQuery, NodeJS, XML, Ajax, JSON Familiar with Spring Framework, Protobuf, Jetty
Sql	MySQL, PostgreSQL, MsSql

Language

English iBT:89 (Reading:24, Listening:27, Speaking: 19, Writing:19)
Farsi Mother Tongue

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).

Work Experience

Hasin Technology

From fall 2015

To present

Responsibility: Senior Android Developer

Project: Implementation of push notification, help page, search page, inbox, handling intents, sending analytics' events and many other parts of [Myket](#) application.

Project: Improvement in **Gradle** configurations of [Myket](#) application, such as handling some tasks by defining Groovy functions.

Project: Improvement in **Maven** configurations of [Myket](#) application to handle downloading of dependencies in locale **JFrog** server.

Project: Improvement in **Jenkins** configurations of [Myket](#) application to handle running of tests on the source.

Project: Starting test driven development in [Myket](#) team.

Project: Irancell parental control application.

Its client side entirely implemented by me.

It includes two app for parent as controller and child as launcher

It uses Dggr 2, OrmLite, Time4A, EventBus, Volley

and One Signal libraries.

Soha Company

From spring 2015

To summer 2015

Responsibility: Programmer

Languages: **Java**, **Android**, **Sql Server**, **JSON**

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: Javascript. *Source:* github.com

Payame-Noor University

Fall 2014

Responsibility: Teacher

Courses Taught: Mathematical Physics

Sadjad University

From fall 2012

Responsibility: Teacher

To spring 2014

Courses Taught: General Physics I & II

Payame-Noor University

From fall 2012

Responsibility: Teacher

To spring 2014

Courses Taught: Application of Computers in Physics

Payame-Noor University

From spring 2012

Responsibility: Teacher

To spring 2013

Courses Taught: Waves

Payame-Noor University

Spring 2012

Responsibility: Teacher

Courses Taught: Classical Mechanics

Research

Publication:

Spring 2015 *Conservation of Optical Chirality in Superconductors as a measure for 5 dimensional Electromagnetism* [arXiv:1507.03517](#)
Cooperating with: [Dr. Hossein Alizadeh](#), graduate student at Boston University

Publication:

Spring 2014 *Energy-momentum conservation and Lipkin's zilch* [arXiv:1408.2802](#)
Cooperating with: [Dr. Hossein Alizadeh](#), graduate student at Boston University

Independent Research:

Fall 2013 *Electromagnetic's chirality, Metamaterials, Transformation optics*
Cooperating with: [Dr. 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*

Reference

Upon your request
