

# Hadi Lashkari-Ghouchani

## Curriculum Vitae

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### Positioning Statement

Quick learner, passionate developer and curious mathematician.

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### 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

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### 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

#### Tool

Gradle, Ant, Make  
Git, Subversion, Mercurial, Confluence, Jira

#### Operating System

Linux(Ubuntu, Debian, Fedora), Android, Os X, Windows

#### Software Design Pattern

*Creational patterns:* Builder, Factory method, Singleton, etc.  
*Structural patterns:* Adapter, Decorator, Module, etc.  
*Concurrency patterns:* Join, Lock, Messaging design pattern, etc.

#### Language

Java 8, Python, Groovy, Bash, C/C++, C#  
Familiar with Fortran, Perl

#### Special Software

$\LaTeX$ , Mathematica, Sage, Ofbiz  
Familiar with Mathlab, Euler, Maxima

#### Back-End Development

PHP, YII, MySQL, PostgreSQL, MsSql  
HTML5/CSS3, Javascript, jQuery, NodeJS, XML, Ajax, JSON  
Familiar with Spring Framework, Protobuf, Jetty

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### Language

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

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## 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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## Work Experience

### 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:* Improvement in **Jenkins** configurations of **Myket** to handle running of tests on the source code.
- 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 Dgger 2, OrmLite asynchronously, Time4A, EventBus, Volley and One-Signal libraries.

### Soha Company

- From spring 2015*      *Responsibility:* Programmer
- To summer 2015*      *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](http://en.wikibooks.org)
- Implemented by:* Javascript. *Source:* [github.com](https://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
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## 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 Ariaei

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## Reference

Upon your request

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