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, Butter Knife, OrmLite, Time4A, RxAndroid, RxJava
Volley, Retrofit, OkHttp, One Signal, EventBus
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
```

Operating System tools

```
Linux: Zsh, grep, sed, netstat, ps, screen, etc.
Android: adb, android, emulator, etc.
```

Software Design Pattern

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

Development tools

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

Language

```
Java, Python, Groovy, Shell scrip, Javascript, etc.
```

Back-End Development

```
PostgreSQL, MySQL, MsSql, JPA
Spring Framework, Protobuf
```

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 an Android client side beside a Spring server side
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: Improvement in `Jenkins` configurations of Myket
     to handle continuous integration.
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, 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
Implemented by: Java. *Source:* github.com

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 (Reading:24, Listening:27, Speaking: 19, Writing:19)*
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*