

# Hadi Lashkari-Ghouchani

## Curriculum Vitae

Phone1: +98-939-125-8116  
Email: [hadilashkari@gmail.com](mailto:hadilashkari@gmail.com)

### Positioning Statement

Quick learner, talented programmer and curious physicist.

---

### 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

<b>Programming</b>	Java, Android, J2SE, Python, Bash, C/C++, C# MySQL, PostgreSQL, PHP, YII HTML5/CSS3, javascript, jQuery, NodeJS, XML, Ajax, JSON Familiar with Fortran, Perl
<b>OS</b>	Linux(Ubuntu, Debian, OpenSUSE), Windows
<b>Special Software</b>	$\LaTeX$ , Mathematica, Sage, Ofbiz LibreOffice(Writer, Calc, Draw, Impress) Microsoft Office(Word, Excel, Power point, Publisher) Git, Subversion svn, Mercurial hg Familiar with Matlab, Euler, Maxima

---

### Language

<b>English</b>	iBT:81 (Reading:21, Listening:21, Speaking: 18, Writing:21)
<b>Farsi</b>	Mother Tongue

---

### Special Honor

<b>44th rank</b>	Among more than <b>five thousand</b> participants in the <b>Nationwide Graduate Entrance Exam</b> in Physics and Nanophysics branch at Spring 2007.
<b>First rank</b>	Among all students of Physics group of Payame-Noor University (50 students).

---

## Work Experience

### **Soha Company**

Spring 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:* Python2. *Source:* [en.wikibooks.org](http://en.wikibooks.org)

*Implemented by:* Javascript. *Source:* [github.com](https://github.com)

### **Payame-Noor University**

Fall 2014

*Responsibility:* Teacher

*Courses Taught:* Mathematical Physics

### **Sadjad University**

Fall 2012 to Spring 2014

*Responsibility:* Teacher

*Courses Taught:* General Physics I & II

### **Payame-Noor University**

Fall 2012 to Spring 2014

*Responsibility:* Teacher

*Courses Taught:* Application of Computers in Physics

### **Payame-Noor University**

Spring 2012 to Spring 2013

*Responsibility:* Teacher

*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](https://arxiv.org/abs/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](https://arxiv.org/abs/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

---