

Hadi Lashkari-Ghouchani

Curriculum Vitae

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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

Programming	Java, Android, J2SE, Python, Bash, C/C++, C# MySQL, PostgreSQL, PHP, YII HTML5/CSS3, javascript, jQuery, NodeJS, XML, Ajax, JSON Familiar with Fortran, Perl
OS	Linux(Ubuntu, Debian, OpenSUSE), Windows
Special Software	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

English	iBT:81 (Reading:21, Listening:21, Speaking: 18, Writing:21)
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

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

Implemented by: Javascript. *Source:* 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
