

# Nima Joharizadeh

School of Mathematics, Statistics and Computer Science,  
College of Science, University of Tehran,  
Tehran, Iran.

*Cell:* +98 (912)779-8381  
*Email:* nimajohari@gmail.com  
*Web:* <http://johari.me>

EDUCATION      **B.Sc. in Computer Science**      September 2009–Present  
School of Mathematics, Statistics and Computer Science  
University of Tehran, Tehran, Iran

Cumulative Grade Average: 15.80/20 (Last two years: 16.28/20)

Relevant courses: (GPA: 18.22/20)

Discrete Mathematics (20/20), Theory of Computation (20/20), Foundations of Mathematical Sciences (20/20), Coding Theory (20/20), Formal Languages and Automata (19.5/20), Numerical Linear Algebra (19.5/20), Foundations of Computer Systems (19/20), Algorithmic Graph Theory (18.7/20), Operating Systems (18.5/20), Software Engineering (18/20), Math. for CS (17.3/20), Logic in CS (17/20), Programming Languages (16.5/20), Design and Analysis of Algorithms (16/20), Data Structures (15.5/20), Compiler Design and Implementation (15.5/20).

PUBLICATIONS      ▷ Alizadeh, M., **Joharizadeh, N.** *Counting weak-Heyting algebras [submitted]*, (October 2013)

HONORS AND      ▷ **Prof. Haydeh Ahrabian scholarship**      November 2013  
AWARDS           ◇ Awarded by the department to outstanding students

▷ **Java Challenge Winner Team**      February 2013  
    ◇ Countrywide Java competition held in Sharif University of Technology  
    ◇ 3rd place among 27 teams, Tehran, Iran

OPEN SOURCE      ▷ **Docopt RACC and Docopt.rb** <sup>1</sup>      July 2012 - Present  
SOFTWARE / MISC.      Command-line option parser. Domain Specific Language (DSL)  
PROJECTS      Ruby port of *Docopt* project (written originally in Python)

▷ **Online query runner for Visser algebras** <sup>2</sup>      August 2013  
    Direct result of the paper *Counting weak-Heyting algebras*, written in Ruby

▷ **prrg.ex** <sup>3</sup>      November 2013  
    An implementation of “prorogues” in Elixir language

▷ **Adobe Color File Generator**      March 2007  
    ACO file generator, written in PHP  
    Nominated entry for *phpclasses.org Innovation Award (March 2007)*

▷ **dbgrx86**      June 2010  
    A Debugger written in x86 assembly (NASM, Linux) and C  
    Course project for Fundamentals of Computer Systems course

A comprehensive list of open source projects is available on my github<sup>4</sup> profile.

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<sup>1</sup><http://docopt.org>

<sup>2</sup><http://wh-algebras.herokuapp.com>

<sup>3</sup><https://github.com/johari/prrg.ex>

<sup>4</sup><https://github.com/johari>

WORK EXPERIENCES	<p>▷ <b>Software Developer</b> April 2013–August 2013  <i>Rubako</i>, Tehran, Iran.</p> <ul style="list-style-type: none"> <li>◊ As a Python developer in Rubako, responsible for several projects, including:</li> <li>◊ Internal git training and development workflow</li> <li>◊ Back-end development of a daily deal website</li> <li>◊ Design and implementation of a recurring billing system</li> </ul> <p>▷ <b>Software Developer</b> Summer 2012  <i>Aylien Inc. (Now located in Dublin, Ireland)</i>, Tehran, Iran.</p> <ul style="list-style-type: none"> <li>◊ Semantic web startup company</li> </ul>
OTHER EXPERIENCES AND ACTIVITIES	<p>▷ <b>During Undergraduate Study at University of Tehran</b></p> <ul style="list-style-type: none"> <li>◊ <b>Teaching Assistant at School of Mathematics</b> <ul style="list-style-type: none"> <li>◦ Formal Languages and Automata Theory Fall 2012, Fall 2013</li> <li>◦ Coding Theory Spring 2013</li> <li>◦ Fundamentals of Computer Systems Spring 2013</li> <li>◦ Logic for Computer Science [Prolog Instructor] Spring 2012</li> </ul> </li> <li>◊ <b>Talks and presentations at School of Mathematics</b> <ul style="list-style-type: none"> <li>◦ Conway’s game of life and the Glider emblem November 2011</li> <li>◦ Introduction to “Prolog” programming language 2012</li> <li>◦ An introduction to Ruby on Rails 2012</li> </ul> </li> <li>◊ <b>Member of the Computer Science Students Scientific Council at School of Mathematics</b> Academic Year 2011-2012  Responsibilities included maintaining the Linux server of the council (software repository mirror and file server), arranging talks and seminars, setting up course wikis, etc.</li> </ul> <p>▷ <b>Allameh Helli 3 Junior Highschool</b>  <i>Affiliated with the National Organization for Development of Exceptional Talents (NODET)</i></p> <ul style="list-style-type: none"> <li>◊ <b>Pascal Instructor for Extra-Curricular Programming course</b> September 2011 - February 2012  Taught basic programming concepts, algorithms and data structures to junior high school students using Pascal Programming language.</li> </ul>
TEST SCORES	<p>▷ <b>TOEFL IBT</b> (November 2013): 111/120  <i>Reading 27/30, Listening 29/30, Speaking 26/30, Writing 29/30</i></p> <p>▷ <b>GRE General</b> (November 9th 2013):  <i>Verbal Reasoning 153/170, Quantitative Reasoning 162/170, Analytical Writing 3.5/6</i></p>
SKILLS	<ul style="list-style-type: none"> <li>◊ Working-level experience with: Ruby, Javascript, Python</li> <li>◊ Familiar with: Prolog, C, Scheme, Common LISP, Java, C++, x86 Assembly (NASM/linux), Pascal, Elixir, Coffeescript, XHTML/CSS, php, MATLAB, L<sup>A</sup>T<sub>E</sub>X, YACC, RACC, Bison</li> <li>◊ Databases: PostgreSQL, SQLite, MySQL, MongoDB</li> <li>◊ Web Frameworks: Ruby on Rails, Sinatra, Django</li> <li>◊ Operating Systems (user and/or sysadmin): GNU/Linux, Unix-like systems</li> <li>◊ Version Control: Git</li> </ul>
HOBBIES	<p>cube solving, web-comics, short stories, amateur film acting, contributing to open-source projects, jogging, biking</p>