

# Farshad SAHAFZADEH

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Tehran, Iran | 21 March 1992  
PHONE: +98 935 4646371  
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HOMEPAGE: [cod3r.ir/demos/homepage](http://cod3r.ir/demos/homepage)

## MAJOR AREAS OF INTEREST

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- Software Architecture and Design
- Web Application Scaling and Performance

## EDUCATION

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CURRENT Undergraduate Degree in SOFTWARE ENGINEERING  
**University of Tehran**, Tehran  
Thesis: "Microservices Architecture in Web Applications" | Advisor: Dr. Ramtin KHOSRAVI  
GPA: 16.2/20

JUNE 2009 Diploma in Mathematics and Physics Discipline, **Mouood High School**, Tehran, Iran  
GPA: 19.57/20

## COMPUTER SKILLS

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Technical: Software Architecture and Design, Object-Oriented Design, Internet Engineering, Software Testing, User Experience  
Back-End Development: Node, Ruby on Rails, JavaEE, Codeigniter  
Front-End Development & Design: AngularJS, Javascript, JQuery, CSS3, Adobe Photoshop, Bootstrap, Foundation, Grunt, Bower  
System Programming: C, C++, Java, C#, Python, Windows Form (.Net), WPF (.Net)  
Databases: MongoDB, PostgreSQL, MySQL, SQLite

## WORK EXPERIENCE

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Current MAR 2014	Full-Stack Web Developer at Vilap Co., Tehran <i>Cheshmak</i> Provided analysis of spreads, in particular time and location spreads, with emphasis on trading opportunities on the curve, also taking into account the availability of storage facilities. Became familiar with logistic implications of physical gas trading and developed knowledge of continental virtual hubs for gas exchange.
JUN-OCT 2013	Web Designer & Full-Stack Web Developer at IPM, Tehran <i>Cognitive Neuroscience Competition for High school</i> Developed spreadsheets for risk analysis on exotic derivatives on a wide array
SUMMER 2013	Front-End Developer at UT SUMMER OF CODE, Tehran <i>Khoone (Demo)</i> Developed spreadsheets for risk analysis on exotic derivatives on a wide array of commodities
FEB-MAR 2013	Full-Stack Web Developer at UT SUMMER OF CODE, Tehran <i>Official Website of UT Summer of Code</i>

## TEACHING EXPERIENCE

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FALL 2014	<b>Software Engineering</b> Teaching Assistant, Dr. Shekoufeh Kolahdouz Rahimi, ECE, UT
SPRING 2014	<b>An Introduction to UI/UX</b> Instructor, ECE, UT
SPRING 2014	<b>Internet Engineering</b> Teaching Assistant, Dr. Shafiei, ECE, UT
SPRING 2014	<b>System Analysis and Design</b> Teaching Assistant, Dr. Fatemeh Ghasemi, ECE, UT
FALL 2013	<b>Artificial Intelligence</b> Teaching Assistant, Dr. Maryam Mirian, ECE, UT
FALL 2013	<b>Advanced Programming</b> Teaching Assistant, Dr. Ramtin Khosravi, ECE, UT
SPRING 2012	<b>Advanced Programming</b> Teaching Assistant, Dr. Ramtin Khosravi, ECE, UT
FALL 2012	<b>Fundamentals of Computing Systems and Programming</b> Teaching Assistant, Dr. Hadi Moradi & Dr. Mahmood Reza Hashemi, ECE, UT

## ACADEMIC PROJECTS (SELECTED)

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FALL 2013	<b>SettleMe</b> <i>Software Engineering</i> Used: JavaEE, Bootstrap, JSTL, HTML5, CSS3, AJAX, JavaScript, JQuery
SPRING 2013	<b>IFEMS</b> <i>Internet Engineering</i> Used: JavaEE, Bootstrap, JSTL, HTML5, CSS3, AJAX, JavaScript, JQuery
SPRING 2013	<b>Online Book Store</b> <i>System Analysis and Design</i> Used: UML Diagrams, JavaEE, Bootstrap, JSTL, HTML5, CSS3
FALL 2012	<b>Hex Game AI Agent</b> <i>Artificial Intelligence</i> Used: Minimax Algorithm, Python
FALL 2012	<b>Multi-Threaded File Transferrer</b> <i>Operating Systems</i> Used: System C, Socket Programming, Multi-Thread Programming
SPRING 2012	<b>Pipeline Implementation of a MIPS-like processor</b> <i>Computer Architecture</i> Used: Verilog, Modelsim
FALL 2011	<b>Prawl</b> <i>Data Structures</i> Used: Java, Swing, B+ Tree, Hash Map
SPRING 2011	<b>Mathematical Expression Parser</b> <i>Advanced Programming</i> Used: C++, Object-Oriented Design, FLTK
FALL 2010	<b>Spread Sheet</b> <i>Fundamentals of Computing Systems and Programming</i> Used: C

## LANGUAGES

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PERSIAN: Mother tongue  
ENGLISH: Fluent

## INTERESTS AND ACTIVITIES

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Technology, Open-Source, Programming  
Paradoxes in Decision Making, Psychoanalysis, Behavioural Finance  
Football, Travelling