

Sajjad Rahnama

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Education

University of California Davis Sep 2018 - Present
Ph.D. Student and Member of Exploratory Systems Lab

Amirkabir University of Technology Sep 2013 - Jun 2017
(Tehran Polytechnic) Tehran, Iran
B.Sc., Computer Engineering, Software.
GPA for Total 137 Passed units: 16.84 / 20.00 (3.44/4)
GPA Last 60 units: 17.62 / 20.00 (3.86/4)

Shahid Beheshti Sampad HighSchool Sep 2009 - Jun 2012
Diploma in Mathematics and Physics GPA: 18.43 / 20
National Organization for Development of Exceptional Talents (NODET)

Realated Taken Courses

Educated Courses

- Artificial Intelligence, 17.5/20
- Foundations of Data Mininig, 16.4/20
- Foundations of Matrix and Linear Algebra, 20/20
- Data Storage and Information Retrieval, 16/20
- Data Structures and Algorithms, 18.7/20
- Design of Algorithms, 14.8/20
- Principles of Database Design, 17.1/20

Free Online Courses

- Machine Learning, by Stanford University
- Statistical Inference, by Johns Hopkins University

Teaching

Experience

Amirkabir University of Technology, Tehran, Iran

- Teaching Assistant, Principles of Programming Fall 2014
Instructed by Dr. Bahman Pourvatan
- Teaching Assistant, Advanced Programming Spring 2015
Instructed by Dr. Bahman Pourvatan
- Teaching Assistant, Discrete Structures Spring 2015
Instructed by Dr. Fallah
- Teaching Assistant, Internet Engineering Fall 2015, Spring 2016
Instructed by Dr. Bakhshi

Student Scientific Association of CEIT Department

- Instructor, NoSQL Concepts and DBMSs Fall 2016
- Instructor, Web Programming Fall 2015, Spring 2017

Academic Center for Education, Culture and Research

- Instructor, Java Programming Language Fall 2015

Honors and Awards

Nation-wide University Entrance Exam for Graduate Studies

Ranked 62 among 25,000 participant, 2017

Nation-wide University Entrance Exam

Ranked 612, for Undergraduate Studies among 280,000 participant, 2017

Computer Science and Mathematics Olympiad

Ranked top 250, National Organization for Development of Exceptional Talents (Olympiad Committee), Iran, 2011, 2012

NODET High School Entrance Exam

Accepted in NODET, National Organization for Development of Exceptional Talents, Iran, 2008

Notable Academic Course Projects

Modern Information Retrieval

Static Search Engine Implementation. A document retrieval system using both traditional Tf-idf method and Hierarchical K-means. (Java) 2015.

Principle of Compiler Design

Implementing a compiler for a programming language using lex and yacc. (Lexer ,Parser, Intermediate Code Generation)

Foundations of Data Mining

Fraud Detection project on banking transactions data using Neural Network, Random Forest and Logistic Regression model

Machine Language Programming

FAT filesystem parser and handler with interactive shell using C#

Internet Engineering

Design and Implementation of a website for an online publishing platform similar to Medium. (HTML, CSS, XML, JS, Ajax, PHP, MySQL)

Principles of Database Design

Database Design and Implementation of a messenger app like whatsapp using MongoDB and PHP

Data Structures and Algorithms

Design and Implementation of compression algorithm using Huffman Coding (C++, MFC)

Operating System Design

Implementation of Process Migration on xv6 a simple Unix-like teaching operating system

Software Engineering 1

Design and Implementation of an Library Automation System using both structural and object oriented approaches.

Work Experience	CTO and Senior Web Developer at Papion 2015 - Present Food and Recipe Social Media labeled as Sarashapz Papion with more than 1 million users. (Javascript, Angular, PHP, Docker, Laravel, Mysql, MongoDB, InfluxDB, Redis, HTML5, CSS, SASS)
	Senior Web Developer at Fandogh Co. 2015 - 2016 Fandogh Software Group. Under supervision and supported by Amirkabir university's Roshd institution.
	Junior Web Developer at Rapna 2014 - 2015 Company consist of passionate programmers who are all graduated from Amirkabir University of Technology (Tehran Polytechnic).
Extracurricular Experience	Head of Educational affairs of Student Community Department of Computer Engineering, Amirkabir University of Technology, Tehran, Iran.
	Member of Executive Committee <ul style="list-style-type: none"> • 7th Amirkabir Linux National Festival • Local ACM contest , Amirkabir University of Technology, 2015 • 9th Amirkabir Linux National Festival • Local ACM contest , Amirkabir University of Technology, 2016
Language Skills	Persian(Farsi): Mother tongue (Native) English: Fluent, Professional working proficiency <ul style="list-style-type: none"> • TOEFL iBT (November 2017): 100/120 Reading 29/30, Listening 25/30, Speaking 22/30, Writing 24/30 Azari: Mother tongue (Native) Arabic: Familier
Technical Skills	Programming: <ul style="list-style-type: none"> • Python, Java(SE), C, C++, C#, Bash • PHP, JS, HTML, CSS, SASS Database Management Systems: <ul style="list-style-type: none"> • Mysql, MongoDB, InfluxDB, Redis Hardware Description Languages(HDLs): <ul style="list-style-type: none"> • Verilog, VHDL Operating Systems: tabitem MacOS X, Windows, Linux(Ubuntu, Suse, Fedora)
	Softwares and Tools: <ul style="list-style-type: none"> • L^AT_EX, Microsoft Word • Adobe Photoshop, JetBrains WebStorm, PhpStorm • Proteus, Modelsim, Orcad Frameworks and Scientific Tools: <ul style="list-style-type: none"> • NumPy, Scikit-learn, Git, Matlab, Octave, Matplotlib

References

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