

SAMIN SEMSAR

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EDUCATION

UNIVERSITY OF MARYLAND BALTIMORE COUNTY

Ph.D., Information Systems

Baltimore, Maryland

Fall 2021

SHEIKHBAHAEI UNIVERSITY

Baharestan, Isfahan, Iran

B.S., Computer Science, GPA: 18.38/20 (highest GPA among all Computer Engineering 2016 entrees of Sheikhbahaei university)

2016-2020

B.A., English Translation, GPA: 15.50/20

2008-2012

Related Courses:

Data Structure, Artificial Intelligence, Discreet Mathematics, Engineering Statistics & Probability, Engineering Mathematics, Differential Equations, Computer Architecture, Data Base, Software Engineering, VHDL, Compiler Design, Operating Systems, Network

PROJECTS:

- Designed and programmed a windows application using C# and a database in phpMyAdmin (purpose was to learn how to write/delete/update/read from/to a database)
- Designed and programmed a windows application using C# that would save its settings on Windows Registry (purpose was to learn everything about windows registry)
- Designed a simple CPU using Active-HDL and Code Vision (Programmed the entities with Active-HDL including AR Register, DR Register, PC, ALU, etc. and then connected all the entities using CodeVisionAVR and synthesized it. Purpose was to understand computer architecture.)
- Created a website using JavaScript + CSS + HTML for the frontend and PHP for the backend (a website for those who love cooking to sign up and add all their recipes in their own profile).
- Created a website using JavaScript + CSS + HTML for the frontend and Python for the backend (a website for second language learners to sign up and in their own account add all the new words they learned plus their meanings and a usage example.).
- Wrote music-xml codes for a song as a project for the programming languages course.
- Implemented an Image processing project using MATLAB (Finding edges in an image with this method: gray-scaling->expanding->smoothing->derivation->finding the maximums)

Softwares and Technologies Used:

MATLAB, IntelliJIDEA, Visual Studio, Active-HDL, CodeVisionAVR, PyCharm

INTERNATIONAL CONTESTS:

- December 20, 2019, Tehran, Iran: ICPC (International Collegiate Programming Contest)-Asia Region, achieving 26th Place among all Iranian universities' teams, and 3rd Place among all the participating teams from Isfahan province.

- December 21, 2018, Tehran, Iran: ACM-ICPC (International Collegiate Programming Contest)-Asia Region, achieving 27th Place.

EXTRA COURSES AND CERTIFICATES:

C++ programming, grade achieved: 92%	Metaco Complex, Isfahan 2014 Apr. - 2014 June
C++ advanced programming, grade achieved: 90%	Metaco Complex, Isfahan 2014 Sept. -2014 Oct.
Web programming, grade achieved: 90%	Metaco Complex, Isfahan 2017 July -2017 Sept.
Python, grade achieved: 85%	Metaco Complex, Isfahan 2019 Sept. -2019 Dec.
Data Science Math Skills, grade achieved: 92%	

EXPERIENCE

UNIVERSITY OF MARYLAND BALTIMORE COUNTY Research Assistant	Baltimore, Maryland From Fall 2021
<ul style="list-style-type: none"> • Currently working with Dr. Aaron Massey 	
Tehran Institute of Technology (Isfahan branch) Intern	Isfahan, Isfahan, Iran Summer of 2018
<ul style="list-style-type: none"> • Worked as an Intern 	
AGRA (Etelaat Gostaresh Rahe Ayande) Content Creator, Intern	Isfahan, Isfahan, Iran Summer of 2017
<ul style="list-style-type: none"> • Provided content for websites created with WordPress 	
Self Employed Private tutoring	Isfahan, Isfahan, Iran 2016-2020
<ul style="list-style-type: none"> • Tutored all courses in bachelor of Computer Science curriculum to fellow students 	
KISH LANGUAGE INSTITUTE English Teacher	Isfahan, Isfahan, Iran 2013-2015
<ul style="list-style-type: none"> • Taught classes from level 1 to 4 	
Self Employed English Translator	2008-2012
<ul style="list-style-type: none"> • Translated technical text from English to Farsi and vice versa for university students. 	
AFTAB-E-MEHRBANI KINDERGARTEN English teacher	Isfahan, Isfahan, Iran Summer of 2011
<ul style="list-style-type: none"> • Taught English to kids. 	