

Sajad Sarlaki

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Summary

Co-Founder in Uopia
Front-end Developer in Bayan
3 TA experiences (Advanced Programming, Computational Intelligence, etc.)
Fully Funded Scholarship for B.Sc. awarding from University.

Research Interests

- Software Engineering
- Software Development
- Humane Computer Interaction

Education

Amirkabir University of Technology

Tehran, Iran

B.Sc. in Computer Engineering

Overall GPA: 3.52/4 (17/20)

Last Two Years GPA (64 Credits): 3.9/4 (18.56/20)

Sep 2017 - March 2022

Key Courses:

- Principles of Compiler Design: 20/20
- Software Testing : 18.7/20
- Microprocessor and Assembly Language: 20/20
- Principles of Cloud Computing: 19.25/20
- Principles of Computational Intelligence: 20/20
- Engineering Statistics: 19/20
- Operating Systems: 18.2/20
- Signals and Systems: 18/20
- Mobile Programming: 18.5/20
- Web Programming: 20/20
- Data Mining: 17.5/20
- Basics of Economics: 20/20

Imam Sadegh High school

Tehran, Iran

Diploma, Mathematics & Physics Field

Overall GPA: 4/4 (19.14/20)

Sep 2017 - March 2022

Work Experience

BAYAN

Front-End Developer

Tehran, Iran

May. 2022 - Now

- Developed main front-end applications of a mail service. (front-end application for mailbox, application for administration panels, etc.)
- Worked with and got to know various modules of a mail service (such as mail server, postfix, etc. Protocols such as Pop3, SMTP, IMAP also Tools and libs like Redis, Django, React js, Redux, etc.)
- Designed and implemented web pages and web applications.

UTOPIA

Co-Founder & Developer

Tehran, Iran

Aug. 2018 - Apr. 2022

- Assisted with planning, monitoring and administration of design and implementation of a agricultural platform.
- Developed mobile application using React Native.
- Developed web applications using React js.
- Trained a group of interns. (React, React hook)

Honors

2017 Fully Funded Scholarship for B.Sc. awarding from University.

Amirkabir

*University of
Technology*

2017 Ranked 95rd in University entrance exam among more than 40,000 students.

Representative Projects

Aragorn-js

Aragorn-js is a JavaScript library for creative coding, with a focus on creating 2d educational contents based on WebGL.

- Designed and Implemented as B.sc. final project.
- Written with Nodejs, Express, Webpack and animation libraries.
- Here is the [github repo](#) and [presentation](#).

VM-Management

Virtual machine management server based on virtual box. Users after logging in can create, clone, edit, or remove a virtual machine. They can also send files or run commands on virtual machines using rest-api requests.

8th Semester

- Written with Nodejs, Express.
- Here is the [github repo and screenshots](#).

Computational Intelligence Projects

Some of the projects that implemented in Computational Intelligence course.

1. Steiner Tree Problem
2. EggHolder Evolution Strategy
3. Fuzzy Clustering
4. Simple-ANN

7th Semester

- Written with Nodejs, Express.
- Here is the [github repo and screenshots](#).

Data Mining Projects

Some of the projects that implemented in Data Mining course.

1. Implementation of KNN algorithm for segmentation for pixels and divide data into 7 classes s.t window, sky and etc.
2. Implementation of Decision-Tree algorithm on a dataset of cars to check overall security of the car.
3. Text-Categorization of IMDB movie reviews using Naive-Bayes.
4. Binary classification using SVM algorithm.

6th Semester

- Written with python, jupyter-notebook.
- Here is the [github repo and screenshots](#).

Mailbox

Mailbox application.

5th Semester

- Design and implemented database, fronted-end and back-end.
- Written with React js, Node js, Express, mysql.
- Here is the [github repo and screenshots](#).

XV6

A fork version of XV6 with C, which features additional scheduling methods.

5th Semester

- Added system calls, implemented CPU scheduling and implemented ticket locks algorithms in xv6.

Teaching Assistants

Computational Intelligence

Amirkabir University of Technology

Dr. Ebadzadeh

Feb 2021 - Jul 2021

- Designed and graded assignments.
- Helped the students with their problems.

Signals and Systems

Amirkabir University of Technology

Dr. Rasti

Sep 2020 - Feb 2021

- Designed and graded assignments and quizzes.
- Helped the students with their problems.

Advanced Programming

Amirkabir University of Technology

Dr. Kalbasi

Feb 2019 - Jul 2019

- Defined and graded projects.
- Helped the students with their problems.

Skills

CE skills

- Web Development
- Software Development
- Front-end Development
- Debugging
- Problem Solving
- Mathematics

Programming

- Javascript (skilled)
- React js (skilled)
- Node js (intermediate)
- Html and Css (skilled)
- Python (general)
- Java (general)