

Alireza Kavian

Computer Engineer

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I'm a computer engineering student.

Besides studying, I do learning software development by various technologies (self-studying).

My favourite field of study contains AI, Network, Security and Software Engineering.

*I am interested in **Front-end** Development and also it's my major skill.*

*I love **Team-Working**.*

I gained experience through various projects of University in several fields of #CE

I'd like to expand my experiences, every day :)

EXPERIENCE

Brilacasck

Jul 2017 - Present

Chief Execution Officer

Brilacasck

A self-employed group, working in the way of Agile development.

In 2017 I founded this company alongside my friend @soheilch.

To gain more experience, we've done various projects in different fields of our courses together at university.

Then after a year with another friend ours (@amirhkh), we did extend our team.

After that, we are all a young and small team with full of creativity and incentives.

Ysorkh

Jun 2018 - Present

Developer Internship

Ysorkh

A company provides network services to clients.

I've got my internship here as a developer in the fields of **Network/Web Security**, **Web SEO** and **Professional Web Development**.

EDUCATION

K. N. Toosi University of Technology

2015 - Present

Bachelor's degree in Computer Engineering,

KNTU [Tehran, Iran]

In 2015, I'd got entered the university with great inducements for progressing.

Till now,

my total average grade has been: **18.43** (of 20)

my GPA has been: **3.81** (of 4)

SKILLS

- **Industry Knowledge**
 - Front-End Development
 - Web Development
 - Software Engineering
 - Agile Development
 - AVR Programming
 - PhotoShop
 - 3D Max
 - Microsoft Office (powerpoint - word - excel)
- **Tools And Technologies**
 - Javascript
 - CSS
 - HTML
 - JQuery
 - ReactJS
 - NodeJS

- React-Native
- AngularJS
- Bootstrap
- Linux
- Git
- PHP
- SQL
- Java
- Python
- C
- C++
- Intel X86 Assembly (NASM)
- AVR Assembly
- Android
- Matlab
- VHDL
- **Others**
 - Scrum Project Management
 - Team Management
 - Soccer (GoalKeeping | Defending)
 - Ping-Pong

CERTIFICATIONS

Web Designing (Front-End)

November 2017

University Of Tehran

[View](#)

skills' learnt:

- HTML
- CSS
- javascript
- jquery
- Bootstrap
- Responsive Design

PHP Tutorial Course

May 2017

[Sololearn](#)

License 1059-1991903

C++ Tutorial Course

Dec 2016

[Sololearn](#)

License 1051-1991903

Java Tutorial Course

Dec 2016

[Sololearn](#)

License 1068-1991903

VOLUNTEER EXPERIENCE

K. N. Toosi University of Technology

Oct 2017 to Jan 2018

Science And Technology

Role: **Undergraduate Teaching Assistant**

Course: Theory of Language and Automaton

Professor: Dr S. H. Khaasteh

K. N. Toosi University of Technology

Feb 2018 to Jun 2018

Science And Technology

Role: **Undergraduate Teaching Assistant**

Course: Compiler

K. N. Toosi University of Technology

Feb 2018 to Jun 2018

Science And Technology

Role: **Undergraduate Teaching Assistant**

Course: Assembly Language (x86 Intel assembly language)

Professor: Dr B. Nasihatkon

K. N. Toosi University of Technology

Oct 2018 to Jan 2019

Science And Technology

Role: **Undergraduate Teaching Assistant**

Course: Computer Fundamentals And Programming In C

Professors: Dr A. Nikanjam and Dr B. Nasihatkon

PROJECTS

Simulating A Simple Text Editor With C Language

Term 1 - 2015

<https://alirezakay.github.io/showcase/term1>

Using c/c++ and also BGI graphical library for my first main programming major project.

Simulating Graphical Plant Growth With Java

Term 2 - 2016

<https://alirezakay.github.io/showcase/term2>

Using OOP (object-oriented programming) in Java and also graphical java framework: JavaFX

Implementing DFS/BFS Algorithms With Java

Term 2 - 2016

<https://alirezakay.github.io/showcase/term2>

Using Java/JavaFX to commit this algorithms to a non-directed graph

Implementing A Simple Java Parser With Java

Term 3 - 2016

<https://alirezakay.github.io/showcase/term3>

A simple compiler for Java for detecting typical errors using CFG (context-free grammars) and CYK algorithm.

Implementing A Graphical Chess Game With Java

Term 4 - 2017

<https://alirezakay.github.io/showcase/term4>

A nearly pleasant graphical chess game implemented with Java language and using JavaFX & JavaAWT.

Using algorithms: min-max-tree & alpha-beta-game-tree

Simulating A Plenary CPU Using MIPS Concepts With VHDL

Term 4 - 2017

<https://alirezakay.github.io/showcase/term4>

A MIPS-like processor implemented in VHDL language. (RISC CPU)

Creating A Full Compiler With Java

Term 5 - 2017

<https://alirezakay.github.io/showcase/term5>

Using compiler concepts in Java/JavaFX to create a complete compiler for parsing any languages you want to invent.

Creating An Online Shopping Website Using MySQL And PHP

Term 5 - 2017

<https://alirezakay.github.io/showcase/term5>

A website like [digikala](#)

Implemented for the course 'Database'.

Using PHP, MySQL, Apache, Bootstrap

Simulating Micro Processor Communication With SystemC Language

Term 6 - 2018

<https://alirezakay.github.io/showcase/term6>

Communication between microprocessor and accelerator with shared memory in a bus context.

Using SystemC language for hardware-software co-design simulation.

Tiny Courseware System For Computer Engineers (TCS4CE)

March 2018 to June 2018

<https://alirezakay.github.io/showcase/term6>

Using

- React.JS
- Node.JS
- Express.JS
- MongoDB

This project was going to be implemented for the course **Software Engineering** in a web context.

I started implementation alongside my two other **teammates**. a trio team.

It was a good chance to expose the result of this project to the authorities of our college.

This project is a system for creating courses by teachers / compiling and running codes by students and get a score at the same moment.

Regex To DFA

<https://github.com/alirezakay/RegexToDFA>

Converting regular expression to DFA directly with syntax-tree in Java

My Personal Website

<https://alirezakay.github.io>

I've developed my own website in my early time of web programming.

It needs better performance, style, UI and UX.

One day I will change it to a better one with react!!!

Brilacasck Website

Jan 2018 - Present

<https://brilacasck.ir>

I've developed a full website of our group: Brilacasck

Just search at google: brilacasck

consists of:

<https://brilacasck.ir>

<https://about.brilacasck.ir>

<https://blog.brilacasck.ir>

<https://showcase.brilacasck.ir>

<https://handyman.brilacasck.ir>

<https://tcs4ce.brilacasck.ir>

RP-APP

Aug 2018

<https://github.com/alirezakay/rp-app>

create a react-php app with PHP live dev server - use PHP at the back-end, react at the front-end

LANGUAGES

Persian (Native), **English** (Professional working proficiency), **Arabic** (Limited working proficiency), **German** (Elementary proficiency)

HONORS

Front-End Winner @ Quera Connect

Aug 2018

Iran Quera

First place at Quera Connect 10 - Front-End Challenge (with award)

<https://quera.ir/course/assignments/5569/scoreboard/>

Scholarship for Excellent Students @ K. N. Toosi University of Technology

Feb 2018 - 2019

Kanoon Farhangi Amoozesh (Ghalamchi)

<http://en.kanoon.ir>