[Picture Placeholder]

Reyhane Ahmadpoor
Junior Software Developer
Always looking for new experiences

Tehran, Iran
09050332772
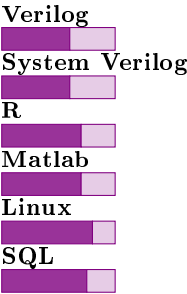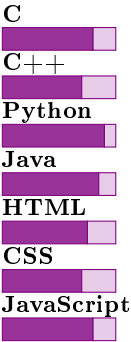rynhap@gmail.com
linkedin.com/in/ryhnap
stackoverflow.com/
users/15634507/ryhn

Skills

C

C++

Python

Java

HTML

CSS

JavaScript

Verilog

System Verilog

R

Matlab

Linux

SQL

Interests

Pedagogical Activities
AI, game programming, math, geometry, IT, Security, test, web/app development

Leisure Activities
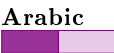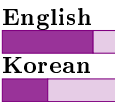sport, book, movie, literature

Instrumental Activities
Violin

Achievements

Bachelor's Degree in Computer Engineering
Graduated on June 7, 2024
Developer at Dotin Company
From July 2022 to July 2024

Languages

English

Arabic

Korean

Experience

Open Bookshelf - Discrete Mathematics Persian Book

Designer and Checker   *03/2021 - 07/2021*
Tehran, Iran

Open Bookshelf is a great platform dedicated to providing equal and high-quality Discrete Mathematics content for Persian speakers for free, ensuring direct interaction with end-users. As a Designer and Checker, I was responsible for analyzing the book content, collaborating with the creative department, preparing proposals to link ideas with problems, and simplifying the solutions. My goal was to manage the project to create a delightful user experience and ensure the design was correct.
Contact: Behzad Shayegh - behzad.shayegh@ut.ac.ir

Developer at Dotin

Back End Java Developer, Unit and E2E Tester, Front End Developer (React)
07/2022 - 07/2024

Developed and maintained robust back end services using Java and Spring framework for API web development. Conducted unit testing and end-to-end (E2E) testing to ensure the quality and reliability of the applications. Worked on the front end using React to create user-friendly and responsive web interfaces.

Education

Bachelor of Science in Computer Engineering

The University of Tehran, Tehran   *Graduated on June 7, 2024*

- Advanced Programming, Artificial Intelligence, Computer Architecture, Digital Logic Design, Programming Languages and Compilers, Introduction to Computing Systems and Programming, Discrete Mathematics, Data Structure & Algorithms, Information Technology Project Management, Data Structure, Computer Networking, Database, Test, Engineering Economy, Software Engineering, Embedded Systems Cyber-Physical Systems, Distributed System, Technical English, Internet Engineering, Electronic Commerce, Electric Workshop, Information Theory

Projects

I/O & Vector/Encrypt&Decrypt Simple & Complicated Password/Top-Down Design/Semester Course Suggestion

UT-AP   *02/2020 - 02/2020*

- Hash cracking by key password & generating hash. Giving suggestions to pick courses in each semester based on grades and course prerequisites.

Recursion/Cryptography&Interview&Max Path

US-D&BA   *03/2020 - 03/2020*

- Using recursion, save us time and memory to solve problems.

Object-Oriented Design/GoodReads

UT-AP   *03/2020 - 03/2020*

- Analysis some data from GoodReads website.

Game/Othello&Tictactoe&FieldRunners

UT-AP   *12/2018 - 01/2019*

- Simple implementation of Field Runner game using SDL library wrapper RSDL.

Web/UTRIP

UT-AP   *03/2019 - 03/2019*

- A simple hotel reservation system which can recommend hotels based on your previous activities.

C−

UT-Compiler   *09/2021 - 12/2021*

- Compiler base on some new rules.

Restoring Divider/Single-Cycle & Multi-Cycle MIPS & Pipe-Line Processor

UT-CA   *07/2021 - 12/2021*

- Making divider logically. Making Processor with two memory and one register file. Making Processor using one memory. Read all instruction immediately.

NS3

UT-CN   *Jan 12, 2023*

- Simulate a wireless network using the 3-ns simulation tool and analyze its various criteria.

FTP, RFTP, Chatroom, Web Server

UT-CN   *Jan 12, 2023*

- Basic concepts of Socket programming, and how to design program and their relations so that we implement 3 phases with one Local Host and several Ports.

TCP, UDP

UT-CN   *Jan 12, 2023*

- This project involved understanding the fundamental differences between TCP and UDP, highlighting TCP's connection-oriented reliability and error-checking mechanisms versus UDP's speed and efficiency for real-time data. Additionally, it explored sliding window protocols, contrasting the selective re-transmission of Selective Repeat with the broader re-transmissions of Go-Back-N.

BALOOT

UT-IE&Test   *Apr 2023 - Jun 2023*

- I have experience in web development, specifically working on the backend of a project named Baloot using Java Spring API, along with front-end development using React. My role included extensive unit testing and API testing utilizing tools and frameworks such as Postman, JUnit, Mockito, JaCoCo, and Maven for comprehensive testing. I employed various testing techniques including input space partitioning, logic-based testing, and mutation coverage testing. Additionally, I used Katalon Recorder for automated testing. Throughout the development process, I maintained the project pipeline using Git. The front end of the project was fully implemented with React, ensuring a seamless and responsive user interface.

Android Ping Pong Game with Motion Controls Using Mobile Phone Sensors

UT-CPS   *Apr 2023 - Jun 2023*

- In this project, I explored the Android operating system and leveraged mobile phone sensors to develop a ping pong game that uses motion controls. This included programming the phone's accelerometer and gyroscope sensors to detect and respond to player movements, providing an interactive and engaging gaming experience.

Data Transfer Protocols, Sensors, and Working with Arduino&Proteus

UT-CPS   *Oct 2023 - Dec 2023*

- This project involved gaining an understanding of various data transfer communication protocols and sensor technologies. It also included hands-on experience with Arduino interfaces, utilizing the Proteus simulator to design and test electronic circuits and systems involving sensors and data transfer.

AI Projects

UT-AI   *Oct 2023 - Dec 2023*

- Genetic Subject: Recommend Polynomial function. RL Subjects: Implement FrozeLake and Taxi game respectively with methods value&policy iteration and Q learning. Machine Learning Subject: Predicting Customer Purchase Revenue Of A Store. Convolutional Neural Networks Subject: Diagnosis of a brain tumor. Clustering Subject: News Cluster.