

EDUCATION

University of Tehran, School of Electrical and Computer Engineering Tehran, Iran
B.Sc. in Computer Engineering, Current GPA: 3.91/4.0 (18.6/20) (*Top 10% of My Class*) 2018–Present

Shahid Soltani 1 High School Karaj, Iran
Diploma in Matchmatics and Physics, GPA: 4.0/4.0 2014–2018

- Part of National Organization for Development of Exceptional Talents

Selected Coursework

My Top Grades During the B.Sc. Program are as Follows:

- Advanced Programming: 20/20
- Formal Languages and Automata Theory: 19.5/20
- Operating Systems: 19.5/20
- Programming Languages and Compilers: 19.4/20
- Formal Methods in Software Engineering: 18.9/20
- Design and Analysis of Algorithms: 20/20
- Data Structures and Algorithms: 20/20
- Artificial Intelligence: 20/20
- Discrete Mathematics: 20/20
- Engineering Probability and Statistics: 17.9/20
- Computer Networks: 16/20
- Signals and Systems: 17/20

RESEARCH EXPERIENCE

Institute of Science and Technology Austria Klosterneuburg, Austria
Research Intern Summer 2022

- Worked under Supervision of [Prof. Thomas Henzinger](#), on Monitoring Fairness of Decision Making Processes
- Scholarship Granted by the Austrian Agency for International Cooperation in Education and Research ([OeAD-GmbH](#))

University of Tehran Tehran, Iran
Research Assistant August 2021 - Present

- Collaborated with [Dr. Hossein Hojjat](#) on Causal Reasoning in Concurrent Systems

WORK EXPERIENCE

Divar Tehran, Iran
Software Engineer January 2022 – Present

- Working on the Job Finding project as a developer.

Tapsell Tehran, Iran
DevOps Intern Summer 2021

- Experimented with some infrastructure technologies.

TEACHING

- **Teaching Assistant** at University of Tehran Fall 2020 – Spring 2022
Advanced Programming (Lecturer: [Dr. Ramtin Khosravi](#))

- **Teaching Assistant** at University of Tehran
Data Structures and Algorithms (Lecturer: Dr. Heshaam Faili, Dr. Fathiyeh Faghieh) Fall 2020 – Spring 2022

PROJECTS

- [Koloocheh](#) (Python, gRPC) June 2022
A Peer-To-Peer File Sharing System.
- [Jepeto Compiler](#) (Java) March-July 2021
A Compiler for the Jepeto Programming Language (Practice Language Designed at My Faculty.)
- [MP](#) (Go) March 2022
Implementation of a Message Broker in Go.
- [Dots and Boxes](#) (C with Sockets) October 2020
The Classic Game, with Sockets for Multiplayer Gaming and Client-Server Communication.
- [Book Classifier](#) (Python, Jupyter Notebook, numpy, pandas, [hazm](#)) October 2020
Persian Book Classifier using Naïve Bayes Classification Method.
- [Tank Trouble](#) (C++ with RSDL) January 2020
Two-Player Game of Tank Battle, implemented with [RSDL](#) Graphics Framework.

TALKS AND PRESENTATIONS

- [Monitoring of Fairness Properties in Markov Chains](#) September 2022
Presented my summer internship work to Prof. Henzinger and Chatterjee's group.
- [NetKAT: Semantic Foundations for Networks](#) Spring 2022
Presented main ideas of the paper to a class of computer engineering students.

ACHIEVEMENTS

- Ranked Top 2% Nation-Wide, National University Entrance Exam (Mathematics Group) 2018
- Ranked Top 1% Nation-Wide, National University Entrance Exam (English-Exclusive Group) 2018
- Semi-Finalist in National Mathematics Olympiad 2016, 2017
- Semi-Finalist in National Informatics Olympiad 2017

SKILLS

- **Programming Languages:**
 - Skilled in Python, C++, C
 - Familiar with Go, Rust, Java
- **Tools and Libraries:** Numpy, Pandas, SPIN, ANTLR, NuSMV
- **Technologies:** Git, Docker, Kubernetes, Nginx, Redis

LANGUAGES

- **English:** Upper-Intermediate
 - Completed Adults Program at Iran Language Institute (2010-2016)
- **Persian:** Native