

Education

University of Tehran, School of Electrical and Computer Engineering

B.Sc. in Computer Engineering, Current cumulative GPA: 18.47/20

Tehran, Iran

2018 – Present

Selected Coursework

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

Talks and Presentations

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

Research Experience

Institute of Science and Technology Austria

Research Intern

Klosterneuburg, Austria

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

Research Assistant

Tehran, Iran

August 2021 - Present

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

Work Experience

Divar

Software Engineer

Tehran, Iran

January – July 2022, October 2022 – Present

- Worked in the *Job Finding* team as a developer.
- Working in the *Platform Trustability* team as a developer.

Tapsell

DevOps Intern

Tehran, Iran

Summer 2021

- Experimented with some infrastructure technologies.

Teaching Experience

University of Tehran

- **Teaching Assistant**, *Advanced Programming* Course (Lecturer: [Dr. Ramtin Khosravi](#)) Fall 2020 – Spring 2022
- **Teaching Assistant**, *Data Structures* Course (Lecturer: 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.
- [Tank Trouble](#) (C++ with RSDL) January 2020
 - Two-Player Game of Tank Battle, Implemented with [RSDL](#) Graphics Framework.

Skills

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

Languages

- **English:** Upper-Intermediate
TOEFL iBT Score:
(**Total, R, L, S, W**) = (112, 30, 30, 27, 25)
- **Persian:** Native