

## EDUCATION

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**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 Mathmatics 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

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**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

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**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

## ACHIEVEMENTS

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- 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

## TEACHING

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

## PROJECTS

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- [Dots and Boxes](#) (C with Sockets) October 2020  
The Classic Game, with Sockets for Multiplayer Gaming and Client-Server Communication
- [Jepeto Compiler](#) (Java) March-July 2021  
A Compiler for Jepeto Programming Language (Practice Language Designed at My Faculty)
- [Evaluator With Threads](#) (C++ with PThread) December 2020  
Multi-Threaded Evaluator for a Linear Regression Model of Phone Price Prediction
- [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

## SKILLS

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- **Programming Languages:**
  - Skilled in Python, C++, C
  - Familiar with Go, Rust, Java
- **Libraries:** Numpy, Pandas, ANTLR
- **Development Environments:** VS Code, Jupyter Notebook, IntelliJ IDEA, Google Colab
- **Technologies:** Git, Docker, Kubernetes, Nginx, Redis

## LANGUAGES

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