

Education

- 2019–Present **University of Tehran,**
Bachelor of Science in Computer Science
GPA – 3.65/4
- 2011–2019 **High School Diploma in Mathematics and Physics,**
National Organization for Development of Exceptional Talents
GPA – 19/20

Research Interests

- **Computer Graphics**
- **Software Design**
- **Artificial Intelligence**

Research Experience

- August 2023 **CNRL**
— Present Member of the Computational Neuroscience Research Laboratory (CNRL) team developing a framework for efficient simulation of cortical columns on GPUs. My contributions involve implementing 3D visualization that helps real-time managing the neural network and modify the configurations. This makes the networks more understandable and easier to debug.

Teaching Experiences

- February 2022 — June 2022 **University of Tehran, Teaching Assistant**
Advanced Programming (instructor: Dr. Abbas Nouzari Dalini)
- February 2023 — June 2023 **University of Tehran, Teaching Assistant**
Machine Language and Assembly (instructor: Dr Fazel Nadi)

Selected Courses

Computer Graphics

- instructor: Dr. Reza Aghaizadeh Zoroofi
- GPA: 4/4

Design and Analysis of Algorithms

- instructor: Dr. Mohammad Ganjtabesh
- GPA: 4/4

Data Structure And Algorithm

- instructor: Dr. Bagher Babaali
- GPA: 4/4

Machine Language and Assembly

- instructor: Dr. Abbas Nouzari Dalini
- GPA: 4/4

Advanced Programing

- instructor: Dr. Abbas Nouzari Dalini
- GPA: 4/4

Database Management Systems

- instructor: Dr. Alireza Khalilian
- GPA: 4/4

Introduction to Theory of Computation

- instructor: Dr. Mojtaba Mojtahedi
- GPA: 4/4

Theory of Computation

- instructor: Dr. Mojtaba Mojtahedi
- GPA: 4/4

Artificial Intelligence

- instructor: Dr. Hedieh Sajedi
- GPA: 4/4

Advanced Information Retrieval

- instructor: Dr. Hamidreza Keshavarz
- GPA: 4/4

Skills

Languages C++, C, Python, Assembly, MySQL.
Frameworks OpenGL, Numpy, Pandas, Jupyter Notebook
OS Windows, Linux

Languages

English Fluent
Persian Mother Tongue