

Education

2016–present **Bachelor of Electrical Engineering and Bachelor of Physics.**

Sharif University of Technology, Tehran, Iran

GPA: 19.26/20

Rank 4th out of 162 students in the EE department

Technical area of EE: Communication networks and systems

Current Works

As a member of a statistics reading group, supervised by Prof Amin Aminzadeh Gohari as well as Dr Mohammad Hossein Yassaee, I am studying about Stochastic Block Models with two of my colleagues. Besides, as a group activity we are reading the book "High-dimensional Statistics" by Prof Weini Wright and preparing a solution manual for the book. (For more information about our group, you can visit our [web-page](#))

As a member of [Sharif QI group](#), under the supervision of Prof Vahid Karimipour, I am working on two projects. Reading the book "Geometry of Quantum States" by Prof Bengtsson and Prof Życzkowski, which I am currently on chapter 7, along with another project in which I am working on Tensor Networks.

Honors and Awards

September 2015 **Gold medal in the 11th National Olympiad on Astronomy and Astrophysics**, held in Tehran, Iran.

December 2016 **Silver medal in the 10th International Olympiad on Astronomy and Astrophysics**, held in Bhubaneswar, India.

Selected Courses

20–PhD **Quantum Computation Theory**, Course project: quantum random walk and quantum decision tree.

20–PhD **Quantum Information Theory.**

18.5–Master **High-dimensional Probability.**

19.5–Master **Information and Coding Theory**, Course project: information-theoretic limits for community detection in networks.

18.5–Master **Condensed Matter Physics.**

19.9–Master **Advanced Statistical Mechanics.**

19.6–Master **Blind Source Separation and Sparse Representation of Signals.**

18.9 **Convex Optimization.**

20, 20 **Quantum Mechanics I, II.**

19.7, 20 **Statistical Mechanics I, II.**

(The number in the left column, indicates the score I got, out of 20. Also in case of not being an undergraduate course, the course level is written afterwards.)

Teaching Experiences

- Spring 2020 **TA of Mathematical physics I**, *instructed by Dr Ali Rezakhani.*
- Fall 2019 **TA (as a grader) of Electromagnetism**, *instructed by Dr Amin Khavasi.*
- since 2016 **Teaching Astronomy and Astrophysics Olympiad subjects**, *at national Young Scholar's Club (YSC) and top high-schools of Tehran.*

Linguistic Skills

Persian, *Mother tongue.*

English, *Advanced (preparing for the TOEFL on Nov.14).*

Spanish, *Elementary.*

Arabic, *Elementary.*

Computer Skills

Python, C, MATLAB and \LaTeX

Attended Conferences

- September 2019 **The 4th TelAS Summer School in Computer Science.**
- June-July 2020 **Youth in high-dimensions**, *an online conference held by ICTP.*

Outside Science

I am a guitarist in both Flamenco and Classical styles. I used to practice up to 10 hours a day. However, after entering the academic world, I look at it as a hobby and play it for fun in my spare time.