

Seyed Sajad Kahani

for IST

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Education

2016–now **Bachelor of Computer Engineering**, *Department of Computer Engineering, Sharif University of Technology*, Tehran, Iran.

current score: 18.44 out of 20

Related courseworks:

- Quantum Information
- Randomized Algorithms
- Quantum Computing
- Computational Physics
- Numerical Methods
- Artificial Intelligence
- Probability and Statistics
- Signals And Systems

2015-2016 **Physics Course**, *Young Scholars Club*, Tehran.

team selection for international physics olympiad

Related courseworks:

- Optics
- Linear Algebra
- Electromagnetism
- Fluid Dynamics

Summer Schools

Summer 2018 **Elementary Data Science**, *School of Computer Science, Institute for Research in Fundamental Sciences*, Tehran, Iran.

Internships

Summer 2018 **Technical Development Division of Iranian National Observatory**, *Institute for Research in Fundamental Sciences*, Tehran, Iran.

- Design and Develop Astronomical Softwares
- Technical Manager of Lens Array Project
 - Connect to different kinds of imaging devices and grab and reduce image.
 - Create a database of spatial data and images.
 - Make a fully automated software to control and monitor lens array instrument.
 - Contribute in development dimm monitoring.

Projects

2019 **Calculating Pi with Quantum Computers.**

Educational Experiences

- 2017, 2018 **Teacher Assistant**, *Fundamentals of programming Course*, Dept. of Computer Eng., Sharif University of Technology.
(Fall)
- 2017 **Instructor**, *LaTeX Workshop*, Dept. of Mathematics, Sharif University of Technology.
- 2016, 2017 **Instructor and Organizer**, *Linux Workshop*, Dept. of Computer Engineering, Sharif University of Technology.

Work Experiences

- 2019-now **Phanous Research and Innovation Centre**, *Hezardastan Holding Company*, Tehran, Iran.
- o Co-Founder and Principal Investigator
 - Establish the quantum lab
 - Design a new process coordination method for R&D environments, called gatekeeping
 - Establish an R&D center
- 2019 **Balad**, *Hezardastan Holding Company*, Tehran, Iran.
Balad is a map service which provides navigation and POI in a mobile app
- o Data Scientist
 - estimate ETA of trajectory
 - city traffic data dimension reduction
- 2018 **Divar**, *Hezardastan Holding Company*, Tehran, Iran.
Divar is an Iranian leading classified advertisement platform, installed on about 20M devices with 200K daily ads.
- o Data Scientist
 - extract informative tags (words) from image (image tagging)
 - category prediction with image and text (for ads)

Skills

Concepts

Designing Algorithms and Data Structures	<i>Familiar</i>
Numerical Methods (ODE, Equations, ...)	<i>Familiar</i>
Software Architecture	<i>Familiar</i>
Machine Learning Methods	<i>Familiar</i>

Programming Languages

Python	<i>Expert</i>
OpenCV, NumPy, Pandas	<i>Expert</i>
SymPy, SciPy, Scikit-Learn, Keras, PyTorch	<i>Familiar</i>
Java	<i>Expert</i>
C	<i>Expert</i>
C++	<i>Familiar</i>
Scala	<i>Familiar</i>
Octave symbolic, odepkg, images, signal	<i>Familiar</i>

R

Beginner

██████████ Honors

2015 **(5th) Golden Medal**, *28th National Physics Olympiad of Iran*.

██████████ Languages

Persian Native

English Conversant