Seyed Sajad Kahani

✆🖃 sesajad.me

▬▬▬ 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 (Fall)	**Teacher Assistant**, *Fundamentals of programming Course*, Dept. of Computer Eng., Sharif University of Technology.
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.
  ○ 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
  ○ 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.
  ○ 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	*Familiar*
Numerical Methods (ODE, Equations, ...)	*Familiar*
Software Architecture	*Familiar*
Machine Learning Methods	*Familiar*

Programming Languages

Python		*Expert*
	OpenCV, NumPy, Pandas	*Expert*
	SymPy, SciPy, Scikit-Learn, Keras, PyTorch	*Familiar*
Java		*Expert*
C		*Expert*
C++		*Familiar*
Scala		*Familiar*
Octave	symbolic, odepkg, images, signal	*Familiar*
R		*Beginner*

Honors

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

Languages

Persian   Native
English   Conversant