

Ali Siahkamari

Curriculum Vitae

Sharif University of Technology
Tehran, Iran

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Education

- 2011 - Present **Sharif University of Technology (SUT)**¹.
- B.Sc. In Aerospace Engineering
 - Minor In Mechanical Engineering
 - Minor In Mathematical Sciences
 - GPA (of total 155 credits passed to date): **18.30/20 (3.95/4)**
 - Mathematics GPA: **19.31/20 (4/4)**
- 2007 - 2011 **Javad Aeme High School For Talented Students.**
- High School & Pre-University Diplomas in Mathematics and Physics
 - GPA: **19.47/20 (4/4)**

Honors and Awards

Ranked 3rd among more than 85 students of my class in the Aerospace Eng. Dept.
Merit-Based Admission Offer² to the M.Sc. Programme in both **Economics** and **Aerospace Eng.** at SUT.
Recipient of **National Elite Foundation Scholarship.**
Accepted to Pursue simultaneously Mechanical Eng. As **Second Major** In SUT.
Fellowship and Admission Offer to the Ph.D. Program at Boston University and SUNY.

Research Interests

Statistics
Stochastic Processes
Optimization
Scientific Computation

Work Experience

- 2015 - Present Research assistant at Neural and Cognitive Sciences Lab of Dr. Reza Lashgari, IPM.
Brainscience.ir/People

¹Sharif University of Technology (SUT) is the most prestigious Iranian University both in Science and Engineering.

²Exempted from taking the national M.Sc. entrance exam. This offer goes to limited number of outstanding, top ranked undergraduate students each year.

Research Experiences

- 2015 - Present **Statistical Modeling of the Receptive Field of V1 Neurons**, IPM. Under supervision of Dr. R. Lashgari and Dr. JM. Alonso
- 2013 - 2014 **Asteroids and Small Solar System Bodies as Seen in the Body-Fixed Frame**, B.Sc. Thesis, *Analytical Orbit Propagation around uniform rotating asteroids by a Self-Invented method*. Under supervision of Dr. N. Assadian.

Standardized tests

GRE: Quantitative: 170/170, Verbal: 155/170, Writing: 3.5
TOEFL: 104 Reading: 30, Listening: 30, Writing: 22, Speaking: 22

Teaching Experience

- Fall 2015 Teaching Assistant, **Neuroscience** course, Dr. R. Lashgari
Spring 2015 Teaching Assistant, **Astrodynamics** course, Dr. N. Assadian

Selected Courses

Astrodynamics:	(20/20)
C++/C Programming:	(20/20)
Calculus II:	(20/20)
Differential Equation:	(20/20)
Engineering Mathematics:	(20/20)
Linear Algebra:	(19.5/20)
Analysis of Algorithms:	(18.8/20)
Eng. Probability and Statistics:	(18.5/20)
Statistics:	(20/20)
Applied Stochastic Proc. (Graduate):	(20/20)
Neuroscience:	(20/20)

Online Courses

Cellular Mechanisms of Brain Functions, EPFL , (**97%**).

[Honor Code Certificate](#), EDX.org

Computational Neuroscience, University of Washington , (**100%**).

[Verified Certificate](#), Coursera.org

Computer Skills

Programming Languages

C++/C	Expert
Python	Familiar

Specialized Software

MATLAB	Expert
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Mathematica

Expert

R/RStudio

Great

Other

Linux, Windows, L^AT_EX, Office

Academic References

Reza Lashgari. *Assistant Professor*, School of Cognitive Sciences, IPM.
rezalashgari@ipm.ir (+98) 912 931 3488

Nima Assadian. *Assistant Professor*, Thesis Supervisor, Aerospace Eng. Dep.
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