

# Curriculum Vitae

Dr. Shahryar Motamedi

**Birth:** July 23, 1987

**Address:** Tehran, Iran

**Mobile:** +98 912 489 8825

**Email:** shahryar.mtmd@gmail.com

## Online Profiles

GitHub: [github.com/shmotamedi](https://github.com/shmotamedi)

ResearchGate: [researchgate.net/profile/Shahryar-Motamedi](https://researchgate.net/profile/Shahryar-Motamedi)

LinkedIn: [linkedin.com/in/shahryar-motamedi-26b169b7](https://www.linkedin.com/in/shahryar-motamedi-26b169b7)

## Education

### Ph.D. in Astrophysics

2015–2024

Institute for Advanced Study of Basic Sciences (IASBS), Zanzan, Iran

Advisor: Prof. Hosein Haghi ([haghi@iasbs.ac.ir](mailto:haghi@iasbs.ac.ir))

### M.Sc. in Space Engineering

2010–2013

Sharif University of Technology (SUT), Tehran, Iran

Advisor: Prof. Seid H. Pourtakdoust ([pourtak@sharif.edu](mailto:pourtak@sharif.edu))

### B.Sc. in Physics

2006–2010

Sharif University of Technology (SUT), Tehran, Iran

## Research Experience

### Research Assistant

IASBS, Zanzan, Iran

Studied and compared dynamical friction timescales in Milgromian vs. equivalent Newtonian dynamics.

### Research Assistant

SUT, Tehran, Iran

Investigated chaos in the relativistic restricted three-body problem.

### Visiting Researcher

USTC, Hefei, China, 2019

Developed methods to compare Modified Newtonian Dynamics (MOND) with dark matter models.

### Predoc Researcher

RCISP, Tehran, Iran, 2014

Designed a high-precision orbit propagator using perturbation techniques, integrating physics and engineering approaches.

## Honors & Awards

**Ph.D. Entrance Exam:** Ranked first in the IASBS Ph.D. entrance examination.

**M.Sc. Admission:** Awarded a full graduate scholarship at SUT with direct admission (no entrance exam) for top-ranked national students.