

# Ali Sheikhpour Ghasseminia

<http://ali.sheikhpour.com> 

## Personal profile

- Birthday: 1983/7/8
- Marital status: Married
- Nationality: Iranian
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## Educational background

- ~~PhD.~~ in Manufacturing Mechanics, University of Tehran, (Exited)
- M.A. in Industrial Design, University college of Fine Arts, University of Tehran.
  - Thesis: Designing the body of fast rescue boat ([Link](#))
- B.S. in Mechanical Engineering, University of Tehran
  - Thesis: Technical and ergonomic design of a Monocycle for daily transportation.

## Brilliant Educational points

- Ranked 5th in PhD. Entrance Exam for Mechanical engineering in University of Tehran, 2009.
- Top researcher student of 2009, University college of Fine Arts, University of Tehran.
- **Ranked 4<sup>th</sup> in National Design Olympiad, 2006.**
- Ranked 7<sup>th</sup> in National Entrance Exam in Master of Art, 2006.

- Ranked 211<sup>th</sup> among 400,000 participant in national university entrance exam, 2001.
- Ranked 1st in National high schools Programming contest, 2000.

### **Implemented projects after graduation**

- Installation supervisor on NABOVVAT SQ. interactive fountains ([Details](#)).
- Manual modeling of SWATH (Small Water plane Area Twin Hull) boat.
- Design and engineering of a tester platform for helicopter hydraulic actuator ([Details](#)).
- Programming of multiple websites.

### **Implemented projects during graduate studies**

- Ergonomics project: Categorization of ergonomic color palettes for websites.
- Bionic designing of a boat (a mini project before thesis)

### **Implemented projects during undergraduate studies**

- Computer aided simulation of parametrical linkage mechanisms.
- Computer aided simulation of stream in a canal.
- Computer aided simulation of air stream over an airfoil.
- Detailed design of portable drilling machine.
- Computer aided simulation of temperature distribution in a room.
- Detailed design of cooling room system.
- Founding the electronic database of Iranian metal industry for University of Tehran.

### **Work experience**

- Current job: I.T. administrator at [Zing application](#) (Dadeh pardazan Hoomun-Pooyun) (2015 - Now).
- Lecturer at 5 high ranked universities (2009 - now)

- Design and manufacturing of a "High tech testing platform for Hydraulic actuator" at [Servo Hydraulic Pouya](#) (2012).
- Web developer at SATSA holding (2013).
- Collaboration with [Favaran \(Water Features\)](#) (2011).
- Administrator of [NewDesign.ir \(The largest Iranian Industrial designers Community\)](#) (2006 - now)
- Administrator of Fantastic Mechanisms at Telegram - ([Link](#)) (2018 - now)

## Teaching Background

- University of Tehran (2009 - 2016)
  - Design of Mechanisms, Hydraulics and Pneumatics, Mathematics, Strength of materials, Statics, Dynamics
- Kish International campus of University of Tehran (2009 - now)
  - Design of Mechanisms, Hydraulics and Pneumatics, Dynamics, Strength of materials, Lighting Design
- Pars University (2012)
  - Mathematics, Statics
- Art University of Tehran (2011 - 2014)
  - Design of Mechanisms, Hydraulics and Pneumatics, Applied Geometry
- Alzahra University (2013)
  - Design of Mechanisms
- Lego educational institute (2015)
  - Basic mechanisms
- Educational institutions for Master Entrance Exam (2007 - now)
  - [3d-Design academy](#), [Rasmeh](#), [Hoonar](#)

## Publications

- "Storm resistant boat designing based on the geometry and movement of water strider", [Journal of Bionic Engineering, Vol.5, 87-90](#)
- More Than 100 design articles at [NewDesign.ir](#)

## **Presentations**

- Theory of relativity, Theory of space-time (for students of art). (Listen in Farsi) (2015- [University of art](#))
- “Storm resistant boat designing based on the geometry and movement of water strider”, the second international conference of bionic engineering, [Jilin University](#), China (2008).

## **Programming and software:**

- Android-JAVA, SQL, ASP, VbScript, [jQuery](#), JavaScript, [Html](#), [CSS](#)
- Top 5% programmers at stackoverflow.com ([Link](#))
- Microsoft office (Expert)
- Modeling software: Rhinoceros, [SolidWorks](#)
- Graphic software: Photoshop

## **Other certificates:**

- Certification of Laser machining and maintenance.
- Nanchiko Red Belt Certificate.
- KongFu Toa– Grade 2

## **Language**

- Farsi (native)
- English (IELTS 6.5 - 2009)
- Arabic: Good

## **Other profiles**

- [linkedin.com](#)
- [Stackoverflow.com](#)