

# Ali Sheikhpour Ghasseminia

## Personal profile:

- Ali Sheikhpour Ghasseminia
- Birthday: 1983/July/08
- Marital status: Married
- Phone: +968 9234 0182 ([WhatsApp](#))
- Residency: Muscat, Oman
- Nationality: Iranian
- Email: [ali.sheikhpour@gmail.com](mailto:ali.sheikhpour@gmail.com)

## Educational background:

- ~~Exit~~ PhD: in Manufacturing Mechanics, [University of Tehran](#), 2009 - Exit: 2012
- M.A. in Industrial Design, University college of Fine Arts, University of Tehran (2009).
- BSc. in Mechanical Engineering, University of Tehran, (2006).

## Work experience:

- Senior mechanical designer at [Aphcarios Engineering Solutions](#), Muscat, Oman (2022-Now)
- Mechanical and Hydraulics designer at "[Servo Hydraulic Pouya](#)" (2012).
- Installation and MEP supervisor in [Favaran \(Water Features\)](#) (2011).
- Responsible for the workshop of modern production methods at University of Tehran (2013-2015)
- Idea and brand developer at public relations - SATSA holding (2013).
- Lecturer at 5 universities (2009 – 2022)
  - University of Tehran.
  - Art University of Tehran.
  - Al-Zahra University.
  - Pars University.
  - Kish international University.
- I.T. administrator, [Zing application](#) (2015 - 2022).
- Administrator of [NewDesign.ir](#) (The largest Iranian Industrial designers Community) (2006 - now)
- Administrator of Fantastic Mechanisms Channel at Telegram - ([Link](#)) (2018 - now)

## Brilliant points:

- The Innovation Prize in Automechanika Dubai 2022 Awards for our product at Aphcarios. ([link](#))
- Ranked 4<sup>th</sup> in National Design Olympiad, 2006. ([link](#))
- Ranked the top researcher student of 2009, University college of Fine Arts, University of Tehran.
- Ranked 5<sup>th</sup> in PhD. Entrance Exam for Mechanical engineering in University of Tehran, 2009.
- Ranked 7<sup>th</sup> in National Entrance Exam in Master of Art, 2006.
- Ranked 211<sup>th</sup> among 400,000 participant, 2001.
- Ranked 1<sup>st</sup> in National high schools Programming contest, 2000.

## 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
- Al-Zahra University (2013)
  - Design of Mechanisms
- Lego educational institute (2015)
  - Basic mechanisms
- Other Educational institutions (2007 - 2022)
  - [3d-Design academy](#), [Rasmeh](#), [Hoonar](#)

## Implemented projects:

- Design of Automatic Awnings for SUV off-road cars (for Aphcarios engineering, Oman).
- Installation and MEP supervisor on [NABOVVAT SQ. interactive fountains](#).
- Design and engineering of a high-tech tester platform for helicopter hydraulic actuator.
- Manual modeling of SWATH (Small Water plane Area Twin Hull) boat.
- Programming of Iran National Transportation (ZING) application + multiple websites.

## Implemented projects during university studies:

- Founding the electronic database of Iranian metal industry for University of Tehran.
- Ergonomics project: Categorization of ergonomic color palettes for websites.
- Bionic designing of a boat (a mini project before thesis)
- 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.

## Publications:

- ISI Paper: "Storm Resistant Boat Designing Based on the Geometry and Movement of Water Strider", Journal of Bionic Engineering Volume 5, Supplement, September 2008, Pages 87-90 ([link](#)).
- Book Translation: "Iterate, Ten Lessons in Design and Failure" By John Sharp and Colleen Macklin. Translated to Farsi by Ali Sheikhpour and Mahdi Moghimi (2022).
- Articles: More than 100 articles about Industrial Design, History of Art and Innovation [at newdesign.ir](#).
- Master thesis: Designing the body of fast rescue boat ([Official Link](#)) ([More details](#))
- BSC thesis: Technical and ergonomic design of a Monocycle for daily transportation.

## Presentations:

- Theory of relativity, Theory of space-time for students of art (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:

- **3D Modeling software:** Autodesk Fusion360, Rhinoceros, [SolidWorks](#)
- **Programming:** Android-JAVA, SQL, ASP, VbScript, [jQuery](#), JavaScript, [Html](#), [CSS](#)
- **Windows:** IIS, Windows server, Sql server, Microsoft office (Expert)
- Top 3% programmers at stackoverflow.com ([Link](#))
- Graphic software: Photoshop
- Laser machining certification

- Sample websites from over 100 developed websites :
  - <https://www.newdesign.ir> (Iranian Industrial designers community)
  - <https://www.zingapp.ir> (International transportation application)
  - <http://pu.ac.ir> (University of Pars)
  - <http://www.mohamadrezayazdi.com> (Personal website for an artist)
  - <https://www.sabzkoosh.com> (Agricultural Machine Producer)
  - <https://www.talashsanat.com> (Piping, Fitting, Flush tanks)
  - <http://www.mgd-electric.ir> (Electric parts company)

### Languages:

- Farsi (native)
- English (IELTS 6.5 - 2009)
- Arabic:
  - Formal الفصحى Good.
  - Essential daily communications for non-formal.

### Miscellaneous interests:

- Modern physics (Relativity, Quantum, Cosmology)
- Persian poetry ([My poems](#))
- Playing Piano and Nay
- Kong Fu – yellow belt

### Other profiles:

- <https://linkedin.com/pub/ali-sheikhpour/7a/918/8ba>
- <https://stackoverflow.com/users/4700922/ali-sheikhpour?tab=profile>
- <https://ali.sheikhpour.com/content/?id=3>