

CURRICULUM VITAE

Name: Ali

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Mailing address:

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Personal status:

Date & place of birth: July 8th, 1983 Tehran / Iran

Gender: Male

Marital status: Married

Nationality: Iranian

Education:

- PhD candidate, Mechanical engineering, Design and Manufacturing, [Faculty of Engineering, University of Tehran](#), Iran (2009-now).

- M.A in Industrial design, [University college of Fine arts, University of Tehran](#), Iran, (2006-2009).

Thesis: "Designing the body of high speed storm resistant rescue boat"

- B.Sc. in Mechanical engineering, [Faculty of engineering](#), University of Tehran, Tehran, Iran, (2001-2006).

Cumulative GPA: 15.9/20

Thesis: "Technical and ergonomic design of Self-balancing Monocycle for daily transportation"

Implemented projects:

During graduate study:

- Manual modeling of *SWATH* (Small Water plane Area Twin Hull) boat (2007).
- Sustainable Design of charging system of mini cars for internal transportation of University of Tehran.
- Ergonomics project: Categorization of ergonomic color palettes for websites.
- Conceptual design of an electric charger for mobile phones.
- Object oriented modeling of web design process.
- Interior design of underwater ROV (Remotely operated vehicles) room.
- Design and programming of www.Newdesign.ir ([The first Persian industrial design website](#)).

During undergraduate study:

- Computer aided simulation of stream in a canal.
- Computer aided simulation of temperature distribution in a room.
- Computer aided simulation of air stream over an airfoil.
- Computer aided simulation of parametrical linkage mechanisms.
- Detailed design of portable drilling machine.
- Economic analysis of house heating systems.
- Detailed design of cooling room system.
- Founding the electronic database of Iranian metal industry for University of Tehran.
- Designing and programming of dynamic websites.

Publication:

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

Presentation:

- "Storm resistant boat designing based on the geometry and movement of water strider", the second international conference of bionic engineering, Jilin University, China (2008).
- "Technical and ergonomic design of Self-balancing Monocycle for daily transportation", B.Sc. thesis, University of Tehran (2006).

Teaching/Administration experiences:

- Teacher, Technical Design (2,3: Design of Mechanical Mechanisms, Hydraulic and Pneumatic), Industrial design, University of Tehran, (2008-Now)
 - Teacher, Mathematics, Industrial design, University of Tehran (2008-Now)
 - Teacher, Technical Design (1,2: Strength of materials, Design of Mechanical Mechanisms) Industrial design, Kish International Campus, University of Tehran, (2011-Now)
 - Teacher, Physics (1,2,3: Static's, Dynamics, Lighting), Industrial design, Kish International Campus, University of Tehran, (2011-Now)
- Teacher Assistant, Static's Engineering, Industrial design, University of Tehran (2006)
- Teacher Assistant, Engineering Dynamics, Industrial design, University of Tehran (2007)
- Students mentor for National Higher Education Entrance Exam (April-July 2003)

Work experience:

- Collaboration with [ZAMYAD](#) (Iranian automobiles manufacturer) (Summer 2004).
- Collaboration with [Favaran](#) (Water Features) (2008).
- Member of R&D in "Jahad" engineering department, University of Tehran (2005).
- Team working with underwater ROV (Remotely operated vehicles) design team (2006).
- Member of Jury of students innovation contest, University of Tehran (2003).
- Member of VK (Virtual Konkoor), Producing of educational CDs for high schools (2002-2003).
- Web developing; 4 years working on Newdesign.ir

Honors:

- Ranked 4th in Iran's national [Industrial design Olympiad](#) (2006).
- Ranked 6th in Iran's national examination for graduate studies (2006).
- Ranked 1st as the "Best design research of 2008", Fine arts Paradise, University of Tehran.
- Ranked 211th among 300,000 participants in Iran's national higher education Entrance Exam (2001).
- Ranked 1st in computer programming contest among Tehran high schools (2000).
- Ranked 1st for <http://einshinghaf.persianblog.ir> in [weblogs template design contest](#) voted by Farsi weblogs community (2002).
- 2nd prize of Persian poetry festival, [Toobaa](#) (2003).

Computer skills:

- Applications: Microsoft office (full), Dreamweaver.

- CAD: Rhinoceros, SolidWorks, AutoCAD, Mechanical desktop.
- Graphics: Adobe Photoshop.
- Programming: Qbasic, C++, VBscript, Java script, Html, CSS, SQL, ASP.
- Web designing (programming and/or graphic).

- o <http://research.ut.ac.ir/cao>
- o <http://research.ut.ac.ir/ora>
- o <http://www.NewDesign.ir>
- o <http://www.adoora-eng.com>
- o <http://www.banatehrnai.com>
- o <http://www.baranenergy.com>
- o <http://www.gpsei.com>
- o <http://www.aradtech.com>
- o <http://www.favaranco.com>
- o <http://www.moshkandate.com>
- o <http://www.mehrdarou.com>
- o <http://www.dastgirehiran.com>
- o <http://www.farasman.com>
- o <http://www.lozakar.com>
- o <http://www.peymanesanj.com>
- o <http://www.utidea.com>
- o <http://www.ithinkof.net>
- o <http://www.rajabpour.ir>
- o ...

Languages:

Farsi (mother language)

English (good)

Arabic (good)

Ali Sheikhpour Ghasseminia