



Curriculum Vitae

Academic Qualification

- **Degree:** Master of Applied Science (M.Sc.) in Biomedical Engineering, (expected 2011). Faculty of Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran.
- **Degree:** Bachelor of Applied Science (B.Sc.) in Biomedical Engineering, (2009). Faculty of Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran.

Advisor: Professor [Siamak Najarian](#)

Research Areas of Interest

- Tactile Sensing
- Minimally Invasive Surgery
- Tissue Engineering
- BioMEMS
- Robotic Surgery

Inventions and Patents

- “Liquid Level Meter”, using a capacitor sensor, registered as an Iranian Patent.

Research and Work Experiments

- Artificial tactile sensing and robotic surgery research experience program undergraduate research assistant, (2006-2009).
- Fabrication of a dynamometer by force sensing resistor (FSR), (2007).
- Design and fabrication of a new tactile sensor for measuring contact-force, based on piezoelectric effect, (2008).
- Design and fabrication of a haptic system for use in surgery simulators, (2009).

TECHNICAL SKILLS

- Experienced in 3D design with "CATIA V5"
- Experienced in finite element analysis with "ABAQUS"
- "MATLAB"
- Programming: C/C++
- Experienced in working with "WORKING MODEL"

HONORS & AWARDS

- Accepted honorably in Master degree program in the Department of Biomedical Eng. at the Amirkabir University of Technology, without entrance examination, (Fall 2009).
- University entrance exam scholar - Top 1% of students.
- Created a garbage collector robot that achieved 3rd rank in competition of municipal robots.

Other Activities

- Writing short story (in Persian)
- Swimming, Basketball