

NAME

PHONE
EMAIL
WEBSITE

RESEARCH INTERESTS

- **Mathematical Modeling of Multiphysics and Biological Systems:** Polymer Networks, Biological Structures, Granular Materials, Electro- (Magneto-) elastic Materials, Heterogeneous Media, Fluid-Structure Interactions, Instability/Bifurcation Analysis
- **Scientific Computing:** General Purpose GPU Computing, High-Performance Computing, Numerical Methods
- **Computer Graphics:** Physically-based Animations, 3D Modeling & Numerical Geometry, Rendering and Global Illumination

EDUCATION

- **University of Pennsylvania**, Philadelphia, PA, 08/20XX - 12/20XX
PhD Candidate in **Mechanical Engineering and Applied Mechanics**, GPA 3.92.
Adviser: Professor NAME
Dissertation Title: "*TITLE*."
- **Sharif University of Technology**, Tehran, Iran, 20XX – 20XX
BSc Degree in **Mechanical Engineering and Physics**, GPA 18.02/20.

AWARDS

- **Honorable Mention** for the poster presentation in ASME International Mechanical Engineering Congress and Exposition, 20XX, Denver Colorado.
- **NSF Travel Award** to attend ASME International Mechanical Engineering Congress and Exposition, 20XX, Denver Colorado.
- **Silver Medal**, 34th International Physics Olympiad, 20XX, Taiwan.
- **Gold Medal**, 15th National Physics Olympiad, 20XX, Iran.

JOURNAL PUBLICATIONS

- Name, P. & **NAME** "*TITLE*." 20XX *International Journal of Non-Linear Mechanics*, Vol #, pp 200-216.
- **NAME** & Name, P. "*TITLE*." 20XX *Comptes Rendus M'ecanique*, Vol #, pp 305-320.
- **NAME**. & Name, P. "*TITLE*." 20XX *Philosophical Magazine*, Vol #, pp 123-133.
- **NAME**. & Name, P. "*TITLE*." 20XX *Journal of the Mechanics and Physics of Solids*, Vol #, pp 256-288.

CONFERENCE PAPERS/ POSTERS

- **NAME.** & Name, P., "TITLE." *The 16th US National Congress of Theoretical and Applied Mechanics*, Pennsylvania State University, University Park, PA, June 27 – July 2, 20XX.
- **NAME.** & Name, P., "TITLE." *ASME International Mechanical Engineering Congress and Exposition*, Denver, CO, November 11 – 17, 20XX.

TEACHING EXPERIENCE

Invited Speaker (@ The Franklin Institute)

- *Introduction to Computer Science: A Python Tutorial*, May 20XX, for the *Early Access to Graduate Research of Philadelphia*.

Teaching Assistant (@ UPenn)

- *Introductory Mechanics Lab* (Fall 20XX), *Thermodynamics* (Spring 20XX), and *Introduction to Scientific Computing* (Fall 20XX).

COMPUTER SKILLS

- **Programming:** C++[advanced], Matlab[advanced], Maple[advanced], CUDA C [advanced], OpenGL[intermediate], Python[intermediate].
- **Typesetting:** Latex[advanced], LibreOffice.org Writer[advanced], Microsoft Word[advanced].
- **Operating Systems** Linux, MacOSX, Windows.

RELEVANT COURSEWORK

- **Scientific Computing:** Heterogeneous Parallel Programming (www.Coursera.org); Introduction to Parallel Programming (www.Udacity.org); Computational Mechanics (UPenn); High Performance Computing & Numerical Linear Algebra (GaTech); Computational Physics, CFD & FEM (*Sharif University*)
- **Mathematical Modeling of Multiphysics Systems:** Composite Materials, Rods and Shells & Non-equilibrium Thermodynamics (UPenn); Statistical Physics, Quantum Physics, Electromagnetism (*Sharif University*)
- **Computer Graphics:** Introduction to 3D Computer Graphics (www.Udacity.org); GPU Programming and Architecture (UPenn)

EXTRACURRICULAR ACTIVITIES

- Origami
- Swimming, Squash, and Chess
- Web development and WebGL