Harish Narayanan

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Career Goal

To pursue a career in academia as a mechanics educator at a distinguished institution of higher learning.

Education

◇ **University of Michigan**, Ann Arbor, Michigan.
Doctor of Philosophy in Mechanical Engineering and Scientific Computing, July 2007.
Master of Science in Mechanical Engineering, December 2003.
Current CGPA: *7.867* (A=8.0)

◇ **University of Madras**, Madras, India.
Bachelor of Engineering in Mechanical Engineering, July 2002.
Percentage Obtained: *80.7* (First class with distinction)

◇ **Vidya Mandir**, Madras, India.
All India Senior School Certificate Examination (C.B.S.E 12^{th}), July 1998.
Percentage Obtained: *89.0* (First class)

Academic Honors

◇ Received the *"Sachivothama Sir C.P.Ramaswamy Aiyar Endowment Scholarship"* from the University of Madras for excellent academic performance at an undergraduate level.
- · Secured the *Second Rank* in third semester university examinations in college.
- · Secured the *First Rank* in continuous evaluation for the third semester.
- · Maintained an excellent level of performance in mathematics and mechanics courses.

◇ Received a *Certificate of Merit* for outstanding academic work throughout 12^{th} grade.
- · Secured the *First Rank in School Physics*, AISSCE 1998 (C.B.S.E 12^{th}).

Research Experience

◇ **January 2003 – Present**: Graduate Student Research Assistant
The two line or so blurb corresponding to my work in this field. Since that evidently wouldn't have carried it into two lines, this extra sentence exists.
- · Insert select publication list here
- · *"Title", journal, date*

◇ **October 2002 – December 2002**: Independent Research
The two line or so blurb corresponding to my work in this field. Since that evidently wouldn't have carried it into two lines, this extra sentence exists.

◇ **August 2001 – July 2002**: Senior year project
The two line or so blurb corresponding to my work in this field. Since that evidently wouldn't have carried it into two lines, this extra sentence exists.

Conference Talks

◇ "*A continuum treatment of growth in tissue: Mass transport coupled with mechanics*"
40th Annual Technical Meeting of the Society of Engineering Science, October 2003

◇ "*Material forces in the context of biological tissue remodelling*"
Seventh U.S. National Congress on Computational Mechanics, July 2003

◇ "*A continuum treatment of growth in tissue: Mass transport coupled with mechanics*"
Second M.I.T Conference on Computational Fluid and Solid Mechanics, June 2003

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Academic Interests

My academic interests primarily relate to classical mechanics and the tools involved in mechanics related computation. Specifically, they include:

- Mechanics and Material Science
- Applied Mathematics and Physics
- Computer and numerical methods related to simulation of physical systems

Relevant Courses

My related graduate level coursework includes:

- Methods of Differential Equations in Mechanics, Continuum Mechanics
- Advanced Elasticity, Mechanics of Polymers
- Mechanical Vibrations
- Numerical Methods in Scientific Computing, Finite Element Methods
- Multiphysics Phenomena at Mircroscales
- Computational Modelling of Biological Tissues

Computer Skills

- GNU/Linux, MS Windows, UNIX, Mac OS, DOS
- C++, C, FORTRAN, Pascal, Basic, PHP, Shell Scripting, XHTML
- Mathematica, Maple, MATLAB, IDL
- FEAP, Hypermesh, Abaqus, MSC/NASTRAN, AutoCAD
- GIMP, mySQL, Apache, OpenOffice.org, LaTeX and other free software

Volunteer Activities

- This is not a lie
- This is not a lie

Other Interests

- Writing articles related to free software and technology
- Recreational physics and math
- Scientific history
- Digital art and graphics programming
- Science fiction literature
- Classical (vocal and instrumental) music