Curriculum Vitae
Preethi Nair

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CITIZENSHIP   India

EDUCATION

2001 - present	Ph.D. in Astronomy, University of Toronto, Canada SUPERVISOR: Prof. Roberto G. Abraham Thesis Title : *"Understanding the basis of the Hubble Sequence of galaxies using visual and quantitative morphology"*
1999 - 2001	M. Sc. in Physics, Indian Institute of Technology, Delhi, India SUPERVISORS: Prof. Kehar Singh and Prof. Joby Joseph Thesis Title: *"Volume Holograhic Storage using Spatial, Angular and Peristrophic Multiplexing Techniques"*
1996 - 1999	B. Sc. Honours in Physics, University of Delhi, India

ACADEMIC AWARDS

2006 - 2007	Gordon Cressy Alumni Award
2005 - 2006	Michael Fieldus Memorial Award
2001 - 2005	University of Toronto Fellowships

RESEARCH EXPERIENCE

2001 - present	My doctoral thesis work is a comparative study of low and high redshift galaxy morphologies. The core goals are to investigate the relationship between visual and quantitative morphology, to understand their relation to physical properties in the local universe and to compare these to high redshift galaxies
1999 - 2001	My Masters work focused on investigations of volume holographic storage in inorganic and organic media with emphasis on digital data storage and recovery using various multiplexing techniques.
2000	Student research position with Prof. Sunetra Giridhar at the Indian Institute of Astrophysics, Bangalore, India. Our goal was to conduct a search of metal-poor stars with large proper motions.

OBSERVATIONAL EXPERIENCE

2003	Observations with PANIC on Magellan for the Las Campanas Infra-red Survey in June and August.

Computing Skills

Languages: C. **Platforms:**Linux, MacOSX. **Markup:** LATEX, HTML.
Analysis Tools: Mathematica; SuperMongo; some IDL; some IRAF; perl;
spectral synthesis models, Pegase and Gissel; awk and other unix tools.
Tools Created: Pixel-by-pixel redshifting code, Contributed to Quantitative
Morphology code, Morpheus; Web-based galaxy classification and morphology
matching.

Professional Experience

Teaching

2006F	Teaching assistant for AST325/326 (a specialist undergraduate course in observational astronomy); responsible for lab training, assignments and grading.
2002F - 2005S	Department of Astronomy Observatory Coordinator, University of Toronto. I was responsible for training undergraduate students in using the observatory equipment and for organizing public tours and open house events for the department.
2001F - 2007F	Teaching assistant for various courses including AST221 and AST222 (specialist undergraduate courses on stars and galaxies), AST 101, AST 201, AST 251, AST121 (introductory undergraduate courses); responsible for leading weekly help sessions and grading as well as occasional lectures.

Administrative

2002F - 2003F	President, Graduate Astronomy Students' Association, Dept. of Astronomy, U. Toronto. I represented graduate students to the department (e.g., at faculty meeting and faculty hiring committees) and organized our representation in the larger graduate students' and assistants' union.
1999F - 2001S	Financial Co-ordinator of the Society for the Promotion of Indian Classical Music and Culture Amongst Youth (**SPIC MACAY**), IIT-delhi chapter. My task as FC was marketing and fundraising for all public, non-profit events held during my two-year tenure.
1999F - 2001S	Representative of the Graduate Physics Students at IIT Delhi. I represented graduate students to the department and at inter-department events. Organized outreach events.
1996F - 1999S	Representative of the Undergraduate Physics Students at my College, Miranda House, University of Delhi. Organized public outreach events.