

Ananth Chikkatur

4 Marion St. Apt#3, Cambridge MA 02139 (617) 253-4178 [Lab] (617) 864-4641 [Home] email: ananth@mit.edu
<http://cua.mit.edu/personal/chikkatur> Citizenship: United States

Education	Massachusetts Institute of Technology Candidate for Ph.D. degree in Physics, August 2002. <i>GPA: 5.0/5.0</i> <i>Thesis:</i> Experiments in transported Bose-Einstein condensates. Cambridge, MA
	University of Rochester Bachelors of Science with Summa Cum Laude in Physics, 1997. <i>GPA: 3.97/4.00</i> Rochester, NY
Experience	Massachusetts Institute of Technology Cambridge, MA Research Assistant <i>1997-Present.</i> <ul style="list-style-type: none">• Research in experimental ultra-cold atomic and optical physics.• Designed and constructed a novel apparatus for Bose-Einstein condensation as part of a team of 2 post-doctoral fellows and 3 graduate students.• Successfully led the team to transport condensates using optical tweezers.• Currently pursuing experiments using micro-traps, waveguides, and continuous atom-lasers with possible applications towards interferometry and sensors.• Operated dye and solid state (Nd:YVO₄) lasers.• Designed and built optical systems for imaging, optical tweezers and atom trapping.• Built electronics using RF components for acousto-optic and electro-optic modulators, and for high current (500 A).• Analyzed and published data in prestigious peer-review journals.• Presented the research at institutions and conferences at international level.
	University of Rochester Rochester, NY Research Assistant <i>1996-1997</i> <ul style="list-style-type: none">• Constructed a magneto-optical trap for cesium atoms.• Built electronics for controlling the temperature and currents for diode lasers.
	University of Rochester Rochester, NY Research Assistant <i>1995-1996</i> <ul style="list-style-type: none">• Analyzed cosmic ray muon data using FORTRAN in a UNIX environment.• Developed a new technique for measuring the energies of ultra-high energy muons.
	Fermi National Laboratory Batavia, IL Lab Assistant <i>Summer 1995</i> <ul style="list-style-type: none">• Built a system for eliminating false muon events for a neutrino detector as part of a team.• Built and tested the trigger electronics for the system.
	University of Rochester Rochester, NY Teaching Assistant <i>1994-1997</i> <ul style="list-style-type: none">• Prepared and taught four recitation classes of 25 students each in mathematics and quantum physics.
Awards	National Science Foundation Graduate Fellowship (1997-2000), Deutsch Award for Excellence in Experimental Physics (1999), National Science Scholarship (1993-1997), Xerox Scholarship (1993-1997), Flagg Award for Outstanding scholarship in Physics (1997), Stoddard Prize for Best Senior thesis in Physics (1997), Fulbright Prize for excellence in Advanced Laboratory In Physics (1996), Member of SPS and FBK (1996).
Leadership	Chapter coordinator of Asha-Boston charity organization (2000-2001). President of the Society of Physics students (1996-1997).
Interests	Biking, drumming, climbing, learning about alternative energy sources and global sustainability.