

Roger Yeh

ryeh@mit.edu

Permanent Address
22 Cuba Street
Andover, MA 01810
978.474.0329

School Address
305 Memorial Drive, 107C
Cambridge, MA 02139
H: 617.225.9667
O: 617.253.0273

OBJECTIVE Obtain a position in the field of mechanical engineering, with strong interests in fluids and controls.

EDUCATION **Massachusetts Institute of Technology** Cambridge, Massachusetts
Fall 2002 to present
Candidate for Master of Science degree in Mechanical Engineering, May 2005. Research assistant in the non-Newtonian fluids group, studied extensional rheology of polymer solutions via filament stretching and break-up experiments. Member of Sigma Xi.
Fall 1998 to 2002
Bachelor of Science degrees in Mechanical Engineering and Applied Mathematics, June 2002. Coursework included Complex Variables, Numerical Analysis, Nonlinear Dynamics: Chaos, Partial Differential Equations, Special Relativity, Mechanics & Materials, Systems Modelling & Control, Thermal Fluids Engineering, Design and Manufacturing, Member of Tau Beta Pi. Letters of commendation from the mechanical engineering and physics departments. GPA: 4.8/5.0
Andover High School Andover, Massachusetts
1994 to 1998
Graduated 4th of 307. Ranked #1 in the Massachusetts Math League in 1998.

EXPERIENCE **Procter & Gamble** Cincinnati, Ohio
Summer 2002
Worked on the Pampers Premium line of diapers, supported experiment order in manufacturing plant, developed CFD (computational fluid dynamics) models – solid modeling, meshing, parsing (for parallel computing), boundary conditioning – for diaper flow.
Zygo TeraOptix Westboro, Massachusetts
Summer 2001
Worked in the optics lab, calibrated optical components, measured microlenses, set up interferometric instruments, conducted experiments, analyzed experimental data, derived models for optical configurations, researched potential materials for new products.
Radionics, Inc. Burlington, Massachusetts
Summer 2000
Wrote assembly procedures, test protocols, ECO's, and created drawings and solid models for RF generator components. Performed material planning - reviewed and updated bills of materials.
MIT-CETI (China Educational Technology Initiative) Shanghai, China
Summer 1999
Traveled to Shanghai and taught HTML, Java, and Lego Mindstorm Robotics at two high schools. Other topics included graphics, Microsoft applications, Javascript, networking, and digital video.
Mascon, Inc. Woburn, Massachusetts
Summer 1998
Worked with the accounting department and customer service, wrote crystal reports using Seagate Report Writer, handled basic logistics, and used FoxPro SBT for accounting purposes.

SKILLS Environments: Windows XP, 2000, NT, 98, 95, 3.X; Unix/Linux.
Languages: HTML, C, JavaScript, Scheme, Matlab.
Programs: Adobe Photoshop, Illustrator; MatLab; Mathematica; MathCAD; Microsoft Office; Bryce3D.
CAD: Rhino-3D, 3D Studio Max, SolidWorks, Unigraphics SolidEdge, ProEngineer.
CFD: Gambit, Fluent.
Motion Control: Labview, Compumotor & Delta Tau controllers.
Machining: Familiar with machine shop tools – CNC and manual mills, lathes, bandsaws, etc.
Fluent in Chinese (Mandarin). Acted as interpreter for the Shanghai MIT-CETI team.

INTERESTS Mechanical design, image processing, network computing.