

Roger Yeh

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OBJECTIVE

To obtain a fun and challenging job in the field of mechanical engineering.

EDUCATION

Massachusetts Institute of Technology

Cambridge, Massachusetts

Fall 2002 to present

Candidate for Master of Science degree in Mechanical Engineering, December 2003. Research assistant in the non-Newtonian fluids group, concentrating on a control system for extensional rheological measurements. Member of Sigma Xi.

Fall 1998 to 2002

Bachelor of Science degrees in Mechanical Engineering and Applied Mathematics, June 2002. Coursework included Linear Algebra, Complex Variables, Numerical Analysis, Nonlinear Dynamics: Chaos, Partial Differential Equations, Special Relativity, Mechanics and Materials, Systems Modelling and 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) – for diaper web 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 Word, Excel; 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

Piano, basketball, soccer, running, ultimate frisbee, Hong Kong cinema.