

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 1998 to present

Bachelor of Science degrees in Mechanical Engineering and Applied Mathematics, June 2002. Coursework includes Multivariable Calculus, Differential Equation, Linear Algebra, Complex Variables with Application, Numerical Analysis, Applied Discrete Mathematics, Nonlinear Dynamics: Chaos, Logic and Recursion Theory, Partial Differential Equations, Structure and Interpretation of Computer Programs (Computer Science), Special Relativity, Mechanics and Materials I & II, Systems Modelling and Control I, II & III, Thermal Fluids Engineering I & II, Design and Manufacturing I & II, Information and Probability, Principles of Internet Computing. Tau Beta Pi (National Engineering Honor Society) member. 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. Tutor/coordinator of English as a Second Language (ESL), contributing 400+ hours of service. Member and letterman of indoor and outdoor track (eight seasons). National Honor Society member. Recipient of Awards of Excellence in Math, Science, English.

EXPERIENCE

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

Worked as an associate engineer, wrote assembly procedures, test protocols, travelers, ECO's, and created drawings and solid models for RF generator components. Dealt extensively with material planning - reviewing and updating 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; MacOS; 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, ProEngineer.

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, Chinese pop music.