

Isaac Feitler

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Education

Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science in Materials Science and Engineering

February 2005

Selected Coursework: Materials Processing Laboratory; Microelectronics Processing Technology (with cleanroom work); Mechanics of Materials; Electrical, Optical, and Magnetic Properties of Materials; Introduction to Ceramics; Introduction to Polymer Chemistry.

GPA: 4.0/5.0

Engineering and Research Experience

MIT: Materials Processing Laboratory, Bachelor's Thesis

Cambridge, MA

Student

February 2003 - January 2005

Led a four person team in engineering an electrohydraulic sheet-metal forming apparatus from scratch. Designed and fabricated a pressure vessel and assembled a high-power electrical system. Successfully conducted electrohydraulic forming with and without a die, completing the class project in May 2003. Used the forming apparatus to conduct solo work for Bachelor's Thesis, examining the effects of high strain rate forming on microstructure and crystalline texture.

Panasonic Boston Lab

Cambridge, MA

Summer Intern

June-August 2002

Independently designed and executed experiments to evaluate novel technology for consumer electronics recycling. Analyzed and reported results of the experiments with consideration to the future development of the technology. Performed literature and patent searches.

Experience

MIT Information Systems & Technology

Cambridge, MA

Athena Consultant

2002-Present

Answering questions and solving problems relating to MIT's UNIX-based Athena computing system. Providing technical support and customer service via telephone, email, and instant messages. Revising existing documentation and writing new documentation.

MIT Department of Materials Science & Engineering

Cambridge, MA

Recitation Instructor

September - December 2004

Taught recitation sections for Solid State Chemistry classes, for 20 students. Prepared lessons and notes, administered and graded examinations. Held regular office hours to help students with questions.

Skills, Hobbies

Computer Skills: Linux/UNIX, Mac OS X, Windows, XHTML/CSS, Scheme/Lisp

Laboratory Skills: Metallography, Scanned Probe Microscopy (AFM, STM), X-ray Diffraction, Instron Machine Operation

Other Skills: Machine Shop Operations, Technical Drawing

Hobbies: Sailing, Tree Climbing, Technological Art.