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## Nirav Bharat Shah

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### Objective

A challenging internship in aerospace engineering.

### Education

Massachusetts Institute of Technology (M. I. T.) - Cambridge, MA - GPA as of Fall 1998: 4.0/5.0 1997-Present  
*Pursuing S.B. in Aeronautics/Astronautics with a minor in Economics*  
*Relevant course work includes calculus, differential equations, mechanics, electricity and magnetism, fluid dynamics, materials and structures, thermodynamics and propulsion, systems engineering, and probabilistic analysis*

Jericho High School - Jericho, NY - *Regents Diploma with Honors GPA: 4.1/4.0* Jun. 1997

### Major Academic Honors

National Merit Scholarship Finalist 1996  
AP Scholar with Distinction 1997  
National Honor Society inducted 1995

### Research: Brandeis University:

“The Development of a Lattice Gas Cellular Automata System for a Shared Memory MIMD Parallel Computer” Jun.-Aug. 1995  
*Designed and developed a lattice gas cellular automata system for parallel computers.*  
*Tested system by running fluid and particle dynamics simulations.*

“3-D Interval Graphing: Issues, Methods and Techniques” Jun.-Aug. 1996  
*Developed visualization tools for 2, 3 and 4 dimensional interval data sets. Designed an extensible framework upon which the tools were built. These tools are still in use at Brandeis University.*

### Research: M. I. T.:

M. I. T.: Undergraduate Research Opportunities Program: Sloan School of Management 1997-1998  
“Non-trivial Choice: A case study in investment choices”  
*Explored the process by which non-trivial choices are made through a qualitative and quantitative study of investment decisions.*

### Skills

Proficient in use of IBM compatible, Macintosh and UNIX operating systems, word processing, database software, and analysis software including: MATLAB, Maple V, Microsoft Excel, Fluent in C, C++, Pascal  
Mediator (certified on August 23, 1995)

### Experience

Jericho Public Library: Computer Specialist - Jericho, NY Apr. 1994-Sept. 1997  
*Designed, implemented and supported computer services in children's area.*

Museum of Science: Special Exhibits Intern - Boston, MA Summer 1998  
*Helped develop, implement and supervise ROBOTICS exhibit interpretation program*

M. I. T.: Teaching Assistant for Physics II Electricity and Magnetism Fall 1998  
*Facilitated an independent study course in electricity and magnetism. Prepared weekly lectures and assignments. Wrote and graded tests and final exam.*

M. I. T.: Laboratory Tutor for Physics I Experimental: Mechanics Fall 1998  
M. I. T.: Laboratory Tutor for Physics II Experimental: Electricity and Magnetism Spring 1999  
*Prepared and gave weekly lectures, graded laboratory reports, provided help and support for students with laboratories.*

Student Member - American Institute of Aeronautics and Astronautics 1998-Present

### Leadership activities

Jericho High School Leadership Seminar 1995-97  
*An intensive, two year program focusing on both the theory of leadership and management as well as the practical application of those skills to leadership roles.*

National Young Leaders' Conference Feb. 1997

### Community Activities

Physical Sciences Interpreter at the Boston Museum of Science 1997-Present  
Jain Center of Greater Boston (religious activity) 1997-Present