



Nina Tandon

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Curriculum Vitae (last updated 10/06/2004)

Education

- 9/2004-Present **Massachusetts Institute of Technology**
Graduate Studies in Electrical Engineering and Computer Science, Bioelectrical Engineering
- 9/1997-5/2001 **The Cooper Union for the Advancement of Science and Art**
Bachelor of Engineering, Electrical Engineering, May 2001
Cumulative GPA: 3.8/4.0
- Summers 1997–2000 **Pace University**, Lubin School of Business, accounting and finance courses
Cumulative GPA: 4.0/4.0
- Relevant Courses (Engineering) Quantitative Physiology, Anatomy and Physiology, Engineering Biomechanics, Biomaterials, Circuits I & II, Electronic Devices I & II, Digital Logic Design, Computer Architecture, Control Systems, EE Laboratory, Engineering Design and Problem Solving, Digital Signal Processing, Communications, Integrated Circuit Engineering, Power Conversion, Electromagnetics I & II, EE Design Project.
- Relevant Courses (Finance) Financial Accounting, Intermediate Accounting I & II, Managerial Accounting, Economics, Business Law I & II, Financial Analysis, Intermediate Financial Analysis and Investments

Professional Experience

- 9/2004-Present **Massachusetts Institute of Technology, Graduate Student**
Electrical Engineering and Computer Science, Bioelectrical Engineering.
- 9/2003-8/2004 **Università di Roma "Tor Vergata," Fulbright Scholar**
Working with Sensors and Microsystems group on LibaNose Project. Took breath samples of lung cancer patients at Rome's Forlanini Hospital for later analysis with the LibaNose to determine its performance as a non-invasive lung cancer detector.
- 9/2001-9/2003 **Avaya Labs Research Engineer**
Designed and implemented software for a voice portal currently in trial use with 100 customers and Avaya senior executives. Designed and implemented a demo application for wireless PDAs. Contributed to teams designing and building applications for enterprise communication systems. Gained experience in Java, VXML, Windows CE, and Bluetooth.
- Summer 1999 **City University of London, Electrical Engineering Department, Research Intern**
Designed and built a digital Theremin under the supervision of Jim Grant. Gained experience with design considerations, electronic components, analog circuitry and digital logic.
- 9/1999-5/2001 **The Cooper Union, Center for Writing and Speaking, Tutor**
Advised students on how to organize and refine their ideas into coherent speeches and papers. Assisted ESL students with improving their written and spoken English.

Honors

Fulbright Scholarship 2003-2004
1st prize winner IEEE Student Design Contest, 2001
Eugene Ogur Memorial Award for excellence in Electrical Engineering.
Cooper Union full-tuition four-year scholarship; Graduation Summa Cum Laude
National Merit Scholarship, J.P.Morgan & Co. Merit Scholarship
Dean's List Fall 1997-Spring 2001
Benjamin Menschel Fellowship for Creative Inquiry, 2000
Charles Goodman Essay Award in Humanities, 2000
John H. Alpert Assistantship in the Humanities, 2000-2001

Languages

Spoken and written Italian, Elementary French and Hindi

