Jeffrey Dumas LeBlanc

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Education:

Interactive Telecommunications Program (New York University) *New York, NY*
Candidate for M.P.S June 2007. GPA: 4.0/4.0
Course Work: Introduction to Computational Media (programming), Introduction to Physical Computing (electronics), Communications Laboratory.
Current Course Work: Networked Objects, Open GL, PAC (Preparatory Accelerated Course in Computer Science), Drawing.

Massachusetts Institute of Technology *Cambridge, MA*
June 2003. Bachelor of Science in Mathematics. GPA: 4.9/5.0
In addition to courses in Mathematics and Science, I took courses in Architecture, Economics, Writing, and Chinese.

Experience:

Cambridge Associates LLC *Boston, MA*
April 2004-July 2005. Worked on a small team that helped consultants and associates use and understand the firm's quantitative financial models. Developed efficient frontier financial model for internal firm use. Used Matlab, Excel and Visual Basic to create the model's algorithms and user interface. Tested and refined the model to ensure it functioned well and was easy to use. Helped with both software and user components of other models under development by the team.

MIT Math Department Fluid Dynamics Lab *Cambridge, MA*
January 2001-June 2003. Worked with Prof. John Bush and other students of the MIT Math Department exploring polygonal hydraulic jumps, bouncing drops, and liquid sheets. Developed experimental setups and used high speed digital video to help explore and understand these phenomena.

MIT-China Educational Technology Initiative *Guangzhou, China*
Spring, Summer 2002. Served on a team with two other MIT students teaching basic engineering principles through bridge design. Taught twenty-five high school students at Zhongshan University in Guangzhou, China. Incorporated internet, computer, and hands-on activities in our 5-week-long curriculum.

Skills:

Computer: HTML, Matlab, Adobe Photoshop, Processing, Visual Basic, PIC Basic Pro.
Laboratory: High speed and digital video systems, fluid systems, Electronics (Microchip PIC).
Currently Learning: Java, C, Open GL, Networked Objects.

Honors:

Recipient of 2002-2003 Kelly Douglas Traveling Fund, awarded to support a photography trip to rural China.
First Place, 2002-2003 MIT Boit Manuscript Prize, for *Journeys through China*.
First Place, 2001-2002 MIT Boit Essay Prize, for essay entitled *Move*.
Eagle Scout, Boy Scouts of America.
Phi Beta Kappa.

Activities and Interests:

Lower East Side Girls Club (New York City). Helped develop podcasting studio for the organization. *Fall 2005.*
Beta Theta Pi Fraternity. Treasurer *May 2000-September 2001,* In charge of a $200,000 budget and filing of taxes. House Manager *September 2002-January2003.*
MIT Freshman Arts Program: Visual Arts Counselor. Worked on a team with other counselors to create and run a four day orientation program for MIT freshman focusing on the arts at MIT. *Autumn 2000-Autumn 2002*.
MIT International Science and Technology Initiative. Helped develop ideas for future MIT international outreach programs with other MIT students involved in programs abroad. *2002-2003.*
Personal Interests Include: International Relations, Cycling, Swimming, Travel, Art+Architecture, Mandarin and French.

Publications:

Hydraulic Jumps with Broken Symmetry, J. LeBlanc, J. Aristoff, A. Hosoi, J. Bush. Gallery of Fluid Motion, Journal of Fluid Mechanics, 2004.