

# SCOTT STRANSKY

## EDUCATION

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- Sep 2005 – Present**      **Massachusetts Institute of Technology**      **Cambridge, MA**
- Graduate student in Atmospheric Science, with goal of a Master's Degree in June 2007. Advisor: Prof. John Marshall.
  - Staff meteorologist for *The Tech*, MIT's student newspaper.
  - Member of the MIT team in the National Collegiate Weather Forecasting Contest (since Sep 2003). Individually, ranked in the top 15% nationwide each year.
  - Historian and French Horn player in the MIT Wind Ensemble (since Sep 2001).
- Sep 2001 – Jun 2005**      **Massachusetts Institute of Technology**      **Cambridge, MA**
- Bachelor of Science in Mathematics with Computer Science and Minors in Earth, Atmospheric, and Planetary Science and Music. Cumulative GPA: 4.5/5.0.
  - Winner of Best Design, for "Gizmoball", a Java program created for Laboratory in Software Engineering.
- Aug 1997 – Jun 2001**      **Norwalk High School**      **Norwalk, CT**
- Graduated with a 3.97/4.00 GPA, 6<sup>th</sup> out of 311.
  - Completed AP Calculus BC, Honors Algebra II, and Intro to Computer Science, through independent study.
  - Treasurer of the NHS National Honor Society and the Academic Competition Team.
  - Member of the marching band, which ranked 23<sup>rd</sup> in the nation in 2000.

## EXPERIENCE

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- Jan 2006 – Present**      **Laboratory of Prof. John Marshall, MIT**      **Cambridge, MA**  
*Fluid Mechanics Computer Modeling*
- Modeled a rotating tank in real time using the MIT General Circulation Model (written in FORTRAN). Concurrently, performed PIV on the actual tank, also in real time, in order to superimpose the sets of vectors.
  - Performed laboratory experiments and helped develop a computer infrastructure in C and C++ to ease data collection, perform data assimilation, utilize shared memory, and send model and tank data across the network.
  - Wrote a comprehensive paper detailing my work in Summer 2006.
- Jan 2005, Jan 2006**      **Introduction to Weather Forecasting**      **Cambridge, MA**  
*Teaching Assistant*
- Led group forecasting discussions, graded assignments, maintained the online course forecast submission website.
- Jul 2000 – Present**      **Multiple Myeloma Research Foundation**      **Norwalk, CT**  
*Computer Programming, IT, Database Work*
- Created a computer program in Java to help the Foundation manage all of its grant applications and winners.
  - Planned the seating arrangements for ten fundraising events (300 – 800 people each).
  - Trained staff members to use the Foundation's database software and solved software and hardware malfunctions.
  - Began as a volunteer, but was hired after less than 2 weeks.
- May 2004 – Dec 2005**      **Laboratory of Prof. Roman Stocker, MIT**      **Cambridge, MA**  
*Bacteria Tracking Software Creation*
- Created a particle tracking computer program in Java.
  - Continual modification to meet the specifications of the Laboratory.

## COMPUTER SKILLS

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Java (including Swing), C++ (including Qt), C, FORTRAN, HTML, Matlab, Scheme, Microsoft Office

## INTERESTS AND HOBBIES

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National Parks (have visited 334/390 US National Park units), Film Music (soundtracks), Music Composition  
On July 21, 2006, my music (set to a documentary) was featured on CNN Headline News.

## REFERENCES

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Prof. John Marshall, Advisor, (617) 253-9615  
Scott Santarella, Executive Director of the Multiple Myeloma Research Fdn., (203) 229-0464

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