

# MURPHY STEIN

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## EDUCATION

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| Courant Institute, NYU<br>2006-Present | <ul style="list-style-type: none"><li>• <b>M.S. Mathematics, spring 2008</b></li><li>• <i>Math Coursework:</i> Real Analysis, Linear Algebra, Complex Variables, Probability</li><li>• <i>CS Coursework:</i> Numerical Methods, 3D Computer Graphics, Machine Learning</li></ul> |
| Dartmouth College<br>1997-2001         | <ul style="list-style-type: none"><li>• <b>B.A. Cognitive Science</b></li><li>• <i>Academic Honors:</i> 2<sup>nd</sup> Honor Group (GPA in top 15% of student body)</li><li>• <i>Independent Study:</i> Invented touch-screen interface for entertainment applications</li></ul> |

## RESEARCH EXPERIENCE

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| X PRIZE<br>Foundation 2007               | <ul style="list-style-type: none"><li>• <i>Fellowship:</i> Helped develop \$10 million X Prize targeting math literacy</li><li>• Wrote report on potential competitors and helped create prize rules</li></ul> |
| Viewpoints Research<br>Foundation 2006   | <ul style="list-style-type: none"><li>• <i>Internship:</i> Worked on speech recognition system in <i>Squeak</i> – an open-source SmallTalk environment for kids</li></ul>                                      |
| Dartmouth College<br>Robotics Laboratory | <ul style="list-style-type: none"><li>• <i>Internship:</i> Developed simulations of locomotion of distributed robots using C++ and OpenGL</li></ul>  |

## WORK EXPERIENCE (excerpt)

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| Scholastic Inc.<br>2004-Present | <p><i>Since 2004 I have worked for the Education Technology Group at Scholastic</i></p> <ul style="list-style-type: none"><li>• <b>Currently:</b> Developing Bayesian algorithms for new adaptive math test</li><li>• Directed validation studies of adaptive reading tests with real kids</li><li>• Wrote entire functional specification for multi-million dollar reading product</li><li>• Developed MySQL applications and Java tools for managing company assets</li></ul> |
| Educate Inc.<br>2007            | <ul style="list-style-type: none"><li>• Created VB Add-on for MS Word to score “readability” of children’s stories based on supplied corpus of allowable words and supplied rules for decodability</li></ul>  |
| WonderLab LLC<br>2001-Present   | <p><i>I started WonderLab in 2001 to do software consulting &amp; programming.</i></p> <ul style="list-style-type: none"><li>• <b>My clients:</b> Educate Inc., Scholastic Inc., Atlantic Records Inc., McGraw-Hill Inc., American Museum of Natural History, Pearson Publishing Ltd., Night Kitchen Inc.</li></ul>   |

## TEACHING & VOLUNTEER WORK (excerpt)

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| cSplash (NYU)<br>2007-Present         | <ul style="list-style-type: none"><li>• Co-director of math enrichment program for gifted students</li><li>• Instructor for PHP programming and web-design class</li></ul>       |
| Top Honors Inc.<br>2005               | <ul style="list-style-type: none"><li>• Math tutor for 7th and 8th grade students<br/>(TopHonors provides <i>free</i> tutoring for students in NYC Public Schools)</li></ul>     |
| Vision Education Inc.<br>2003-2004    | <ul style="list-style-type: none"><li>• After-school Mathematics &amp; programming instructor, grades 3-9</li><li>• Developed 6-8 grade math curriculum for LEGO Corp.</li></ul> |
| Beijing Foreign<br>Language Institute | <ul style="list-style-type: none"><li>• English Language instructor in Beijing, China (2001-2002)</li><li>• Taught students aged 10-35 and learned to speak Mandarin</li></ul>   |

## REFERENCES

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Michael Artin	914-629-5239	michael.artin@educate.com
Matt Wilcox	201-417-1667	mwilcox@scholastic.com