

## Ari Daniel

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### EDUCATION

**Massachusetts Institute of Technology:** Cambridge, MA  
**Woods Hole Oceanographic Institution:** Woods Hole, MA  
Ph.D., Biological Oceanography, June 2008  
Advisor: Dr. Peter Tyack  
Funding: *National Science Foundation & National Defense Science and Engineering Graduate Fellowships, WHOI Ocean Life Institute, and National Geographic Society*  
Thesis: “Orchestration: The movement and vocal behavior of free-ranging killer whales (*Orcinus orca*)”

**University of St. Andrews:** St. Andrews, Scotland  
M. Phil., Animal Behaviour, November 2002  
Advisors: Dr. Peter Slater and Dr. Vincent Janik  
Funding: *US – UK Fulbright Graduate Student Scholar*  
Thesis: “Vocal learning in the grey seal (*Halichoerus grypus*) – An experimental approach”

**Boston College:** Chestnut Hill, MA  
B.S., Biology major and mathematics minor, *summa cum laude*, Honors program, May 2001  
Funding: *Presidential Scholarship Program, Faculty and Staff Children Exchange Scholarship*  
Thesis: “Free-ranging northern resident killer whales (*Orcinus orca*) – Vocal exchanges, matched counter-calling, and alternatives to conventional bout analysis”

**Charles F. Brush High School:** South Euclid/Lyndhurst, OH  
Valedictorian and highest GPA in the history of the high school until 1997

### JOURNALISM & ADDITIONAL EMPLOYMENT EXPERIENCE

**NOVA** 2014 – present  
*Digital Producer* Boston, MA  
Producing narrative and scientific content for NOVA Labs, a free online science gaming platform for middle and high school students. I was the producer on the Evolution Lab. In addition, I produce online video content for the NOVA website.

**Independent Radio and Multimedia Reporter** 2008 – present  
For a selected listing of stories, visit: [www.aridanielshapiro.com](http://www.aridanielshapiro.com) Somerville, MA

Radio reporting:

- The World (PRI)
- Radiolab (WNYC)
- All Things Considered (NPR)
- Morning Edition (NPR)
- Living on Earth (PRI)
- Weekend Edition Sunday (NPR)
- Here & Now (NPR & WBUR)
- Marketplace (APM)
- Studio 360 (PRI)
- Local stations: KQED, NHPR, WBUR, WCAI, WHPR, WLRN, WHRV

Podcasting:

- *One Species at a Time*, an audio series showcasing stories of Earth's biodiversity; produced by Atlantic Public Media for the Encyclopedia of Life; 2010 – 2013
- *Ocean Gazing*, an audio series tracking the real-time swirl of creatures, chemicals and currents of the sea; produced for the Centers for Ocean Sciences Education Excellence; funded by the National Science Foundation; 2009 – 2010

Audio slideshow and video reporting:

- AVODAH: The Jewish Service Corps
- BirdNote
- Boston College
- Brigham and Women's Hospital
- Centers for Ocean Sciences Education Excellence
- Central & Northern California Ocean Observing System
- Hebrew Senior Life
- Lamont-Doherty Earth Observatory at Columbia University
- Mathematical Sciences Research Institute
- Massachusetts General Hospital
- New York Times
- Oceanus Magazine
- Parents Helping Parents
- Rutgers University
- Smithsonian Museum of Art
- Tablet Magazine
- University of Hawai'i
- Woods Hole Oceanographic Institution

Television reporting:

- Greater Boston (WGBH)

Magazine writing:

- IEEE Spectrum Magazine

**Story Collider**

*Boston Producer*

Working with scientists and non-scientists to share their personal, true stories about science in front of a live audience. We host shows quarterly in Boston, each one featuring 5 different storytellers.

2012 – present  
Boston, MA

**Mind Open Media, LLC**

*Owner*

Overseeing and editing radio reporters and multimedia producers to create stories for scientist broader impact statements, primarily funded by NSF research grants.

2012 – present  
Somerville, MA

**Urban Justice Center**

*Legal Advocate*

Represented recipients of public assistance at fair hearings and engaged in welfare and housing advocacy for low income and homeless clients

2002 – 2003  
New York, NY

**NOVA** (PBS science education television program)

*Intern*

Conducted book, magazine, and telephone research; reviewed scripts, proposals, and screenings

Fall 1999  
Cambridge, MA

## RESEARCH EXPERIENCE

**Post-Doctoral Investigator** 2008  
Woods Hole Oceanographic Institution Woods Hole, MA

- Researched behavioral response of beaked whales and pilot whales to controlled sonar exposure

**Ph.D.** 2003 – 2008  
Massachusetts Inst. of Technology & Woods Hole Oceanographic Inst. Cambridge & Woods Hole, MA

- Studied foraging behavior and vocal syntax of Norwegian killer whales (chief scientist)
- Tested for behavioral response of sperm whales to mid-frequency sonar
- Analyzed movements and vocalizations of narwhals
- Applied pitch tracking algorithm to killer whale calls
- Investigated transmission loss of acoustic harassment devices
- Examined movement and vocal behavior of Alaskan transient killer whales

**M.Phil.** 2001 – 2002  
University of St. Andrews St. Andrews, Scotland

- Studied and trained grey seal pups to explore their responses to pointing gestures and capacity for vocal usage learning

**Research assistant, Acoustic technician** Summer 2001  
Mote Marine Laboratory Sarasota, FL

- Helped construct and maintain an acoustic array to study the vocal development and learning of bottlenose dolphin yearlings

**Summer student fellow, Senior thesis** 2000 – 2001  
Woods Hole Oceanographic Institution & Boston College Woods Hole, MA

- Studied the vocal exchanges of Pacific Northwest resident killer whales

## AWARDS AND FELLOWSHIPS

- Official Honoree in The 19<sup>th</sup> Annual Webby Awards: “Knotty Thrills” web video for NOVA
- “Rules for the Black Birdwatcher” video selected for screening at the Lookout Wild Film Festival
- Solutions Journalism Network Fund Winner to report on a story of climate change resilience, 2013
- Public Radio Exchange STEM (Science, Technology, Engineering, and Math) Story Project Winner, 2013
- Outstanding Beat Reporting, Large Market: 3<sup>rd</sup> place for environmental reporting with The World from the Society of Environmental Journalists, 2012
- Science Literacy Workshop Participant, 2010
- National Defense Science and Engineering Graduate Fellowship, 2004 – 2007: full funding for graduate work
- National Science Foundation Graduate Research Fellowship, 2003 – 2004: full funding for graduate work
- United States – United Kingdom Fulbright Graduate Student Scholarship, 2001 – 2002
- Presidential Scholarship, Boston College, 1997 – 2001
- Dean’s List, Boston College, 1997 – 2001
- Mary A. & Katherine G. Finneran Commencement Award, Boston College, 2001
- Rhodes Scholar State Finalist, Ohio, 2000
- Summer Student Fellowship Program, Woods Hole Oceanographic Institution, 2000
- Member of USA Today’s All-USA Second Team, 1999
- Advanced Study Grants (sustainability in Costa Rica; French language study), Boston College, 1998 & 1999
- Phi Beta Kappa, 2000
- Marshal of the Order of the Cross and Crown, 2001
- Sophomore Scholar, 1999

- Brian D. A. Hall Leadership Award, 1999
- Alpha Sigma Nu National Jesuit Honor Society, 1999
- National Society of Collegiate Scholars, 1999
- Golden Key National Honor Society, 1999
- National Honor Society, 1996
- Bausch & Lomb Science Award, 1996
- Most Contagious Smile in the 5<sup>th</sup> Grade, Adrian Elementary School, 1990

## **LANGUAGES**

- Spanish fluency
- French proficiency
- Basic Arabic

## SELECTED JOURNALISM STORIES

- 2014 [Palau scientists hope they've found the coral reef to save all corals](#). PRI's The World. Radio.
- 2013 [An unusual way to teach math: Miming](#). WBUR's Here and Now. Radio.
- 2013 [The Synergy Project: A co-laboratory experiment among scientists & artists](#). Oceanus Magazine online. Video.

## REFEREED JOURNAL ARTICLES

- 2011 **Shapiro, A.D.**, Tyack, P.L. & Seneff, S. Comparing call-based versus subunit-based methods for categorizing Norwegian killer whale, *Orcinus orca*, vocalizations. *Animal Behaviour*, 81: 377-386.
- 2010 Miller, P.J.O., **Shapiro, A.D.** & Deecke, V.B. The diving behaviour of mammal-eating killer whales (*Orcinus orca*): variations with ecological not physiological factors. *Canadian Journal of Zoology*, 88: 1103-1112.
- 2009 **Shapiro, A.D.** Recognition of individuals within the social group: Signature vocalizations. In: Stefan M. Brudzynski, ed., *Handbook of Mammalian Vocalization*. Oxford: Academic Press, pp. 495-504.
- 2009 **Shapiro, A.D.** & Wang, C. A versatile pitch tracking algorithm: From human speech to killer whale vocalizations. *Journal of the Acoustical Society of America*, 126: 451-459.
- 2009 **Shapiro, A.D.**, Tougaard, J., Jørgensen, P.B., Kyhn, L.A., Balle, J.D., Bernardez, C., Fjälling, A., Karlsen, J. & Wahlberg, M. Transmission loss patterns from acoustic harassment and deterrent devices do not always follow geometrical spreading predictions. *Marine Mammal Science*, 25: 53-67.
- 2007 Dietz, R., **Shapiro, A.D.**, Bakhtiari, M., Orr, J., Tyack, P.L., Richard, P., Eskesen, I.G. & Marshall, G. Upside-down swimming behaviour of free-ranging narwhals. *BMC Ecology*, 7 (14): 1-10.
- 2007 Sato, K., Watanuki, Y., Takahashi, A., Miller, P.J.O., Tanaka, H., Kawabe, R., Ponganis, P.J., Handrich, Y., Akamatsu, T., Watanabe, Y., Mitani, Y., Costa, D.P., Bost, C-A., Aoki, K., Amano, M., Trathan, P., **Shapiro, A.** & Naito, Y. Stroke frequency, but not swimming speed, is related to body size in free-ranging seabirds, pinnipeds and cetaceans. *Proceedings of the Royal Society, Series B*, 274: 471-477.
- 2006 **Shapiro, A.D.** Preliminary evidence for signature vocalizations among free-ranging narwhals (*Monodon monoceros*). *Journal of the Acoustical Society of America*, 120: 1695-1705.
- 2004 **Shapiro, A.D.**, Slater, P.J.B. & Janik, V.M. Call usage learning in gray seals (*Halichoerus grypus*). *Journal of Comparative Psychology*, 118: 447-454.
- 2004 Miller, P.J.O., **Shapiro, A.D.**, Tyack, P.L. & Solow, A.R. Call-type matching in vocal exchanges of free-ranging resident killer whales, *Orcinus orca*. *Animal Behaviour*, 67: 1099-1107.
- 2004 Fripp, D., Owen, C., **Shapiro, A.**, Quintana, E., Buckstaff, K., Wells, R.S., & Tyack, P.L. Bottlenose dolphin calves model their signature whistles on the whistles of community members they rarely hear. *Animal Cognition*, 8: 17-26.
- 2003 **Shapiro, A.D.**, Janik, V.M. & Slater, P.J.B. A gray seal's (*Halichoerus grypus*) responses to experimenter-given pointing and directional cues. *Journal of Comparative Psychology*, 117: 355-362.

## THESES

- 2008 **Shapiro, A.D.** Orchestration: The movement and vocal behavior of free-ranging Norwegian killer whales (*Orcinus orca*). Ph.D., Massachusetts Institute of Technology & Woods Hole Oceanographic Institution.
- 2003 **Shapiro, A.** Vocal Learning in the Grey seal (*Halichoerus grypus*): An Experimental Approach. M.Phil., University of St. Andrews.
- 2001 **Shapiro, A.** The Calling of the Orca: Free-Ranging Northern Resident Killer Whales (*Orcinus orca*): Vocal Exchanges, Matched Counter-Calling and Alternatives to Conventional Bout Analysis. Undergraduate senior honors thesis, Boston College.

## CONFERENCE & WORKSHOP PRESENTATIONS

- 2015 **Shapiro, A.D.** Sniffing out science stories. *Talking Science Symposium*. Boston University Biogeosciences.
- 2015 **Shapiro, A.D.** Stories on stage. *The Power of Narrative journalism conference*. Boston University.
- 2014 **Shapiro, A.D.** An ecosystem of stories: Using narrative to bridge a Gulf. *Bays and Bayous Symposium 2014 Keynote Address*. Mobile, Alabama.
- 2014 **Shapiro, A.D.** Tapping innovative media and tapping within. Broader Impacts Infrastructure Summit. Washington, DC.
- 2014 **Shapiro, A.D.** Igniting your science into story. Division of Immunology, Harvard Medical School.
- 2013 **Shapiro, A.D.** Carving story out of science: On stage & on air. *Science in the Streets*. Boston University.
- 2013 **Shapiro, A.D.** Telling science stories. *2013 Sea Grant Extension Assembly & Communicator Conference*. Philadelphia.
- 2012 **Shapiro, A.D.** Science + Multimedia = You. *Ocean Sciences Meeting*. Salt Lake City, UT.
- 2011 Bolman, J., Haymet, T. & **Shapiro, A.D.** Diversity in ocean sciences empowering innovation. *2011 SACNAS (Society for Advancement of Chicanos and Native Americans in Science)*. San Jose, CA.
- 2011 **Shapiro, A.D.** Science reporting. *Great northeast radio rally and audio slam*. Portland, ME.
- 2010 **Shapiro, A.D.** 1) Spinning up science stories; 2) Podcasts: Strategies and techniques. *Education and Research: Testing Hypotheses (EARTH) Workshop*. Beaverton, OR.
- 2009 McDonnell, J., Lichtenwalner, S., Parsons, C. & **Shapiro, A.D.** Storytelling as a communication tool. *COSEE Network Meeting*. Hilton Head, SC.
- 2008 **Shapiro A.D.**, Seneff, S. & Tyack, P.L. Phonemic segment characterization of Norwegian killer whale call types. *Acoustics '08*. Paris, France.
- 2008 **Shapiro, A.D.**, Solow, A.R. & Tyack, P.L. Relationship between movement and vocal behavior of free-ranging Norwegian killer whales. *Vocal Communication in Birds and Mammals*. St. Andrews, Scotland. (poster)
- 2007 **Shapiro, A.D.**, Similä, T., Miller, P.J.O., Solow, A.R. & Tyack, P.L. Individual prey capture behavior of carousel feeding Norwegian killer whales (*Orcinus orca*). *30<sup>th</sup> International Ethological Congress*. Halifax, Canada.
- 2007 **Shapiro, A.D.**, Similä, T., Miller, P.J.O., Solow, A.R. & Tyack, P.L. Carousel feeding behavior of Norwegian killer whales (*Orcinus orca*). *5<sup>th</sup> Boston Behavior Club Woods Hole Symposium*. Woods Hole, MA. Winner of best student oral presentation.
- 2006 **Shapiro, A.D.**, Tyack, P.L., & Solow, A.R. Analysis of sperm whale orientation response to controlled exposure of sonar. *20<sup>th</sup> Annual Conference of the European Cetacean Society*. Gdynia, Poland.
- 2005 **Shapiro, A.D.**, Tyack, P.L., Orr, J., & Dietz, R. Vocal behavior of free-ranging Arctic narwhals (*Monodon monoceros*). *16<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*. San Diego, CA. (poster)
- 2004 **Shapiro, A.D.**, Janik, V.M., & Slater, P.J.B. Responses of a young gray seal (*Halichoerus grypus*) to pointing and directional commands provided by an experimenter. *41<sup>st</sup> Animal Behavior Society Meeting*. Oaxaca, Mexico.
- 2004 **Shapiro, A.D.** Gray seal points out problems with pointing studies. *2<sup>nd</sup> Boston Behavior Club Woods Hole Symposium*. Woods Hole, MA.
- 2003 **Shapiro, A.D.**, Slater, P.J.B., & Janik, V.M. Contextual learning in the vocal domain in grey seals. *15<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*. Greensboro, NC. (poster)
- 2002 **Shapiro, A.D.**, Miller, P.J.O., Tyack, P.L., & Solow, A.R. Matched vocal exchanges of shared stereotyped calls in free-ranging resident killer whales. *14<sup>th</sup> Scottish Conference on Animal Behaviour*. Glasgow, Scotland.
- 2001 **Shapiro, A.D.**, Miller, P.J.O., Tyack, P.L., & Solow, A.R. Matched vocal exchanges of shared stereotyped calls in free-ranging resident killer whales. *14<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*. Vancouver, Canada.

- 2001 Fripp, D., Owen, C., Quintana, E., Buckstaff, K., Jankowski, K., **Shapiro, A.**, & Tyack, P.L. Bottlenose dolphin calves imitate whistles of associates. *14<sup>th</sup> Biennial Conference on the Biology of Marine Mammals*. Vancouver, Canada.
- 2000 **Shapiro, A.** Cognition on the Canadian beaver. *58<sup>th</sup> Annual New England Biological Conference*. Merrimack College: Andover, MA.

## TEACHING EXPERIENCE

**COSEE Gears Workshop** 2012 – present  
*Co-instructor* Salt Lake City, UT; Woods Hole, MA; Honolulu, HI  
Led 2-hour workshops to help researchers translate their science into a story format

**Verhalende Journalistiek** Spring 2012  
*Masterclass and workshop instructor* Amsterdam and Utrecht, Netherlands  
Discussed how to communicate complexity and tell effective stories using radio and multimedia

**Emerson College** Spring 2011  
*Adjunct faculty member* Cambridge, MA  
Taught undergraduate class in broadcast journalism.

**Marine Biological Laboratory** Fall 2010, 2011, 2012  
*Course presenter* Woods Hole, MA  
Co-taught a class on how to use radio to tell stories about science.

**MIT Computer Science and Artificial Intelligence Laboratory** 2007  
*Undergraduate research supervisor & Animal behavior discussion group coordinator* Cambridge, MA  
Supervised 13 MIT and Wellesley undergraduate students in data processing tasks. Facilitated weekly group meetings to discuss scientific papers on animal communication, vocal syntax and behavior

**MIT Civil and Environmental Engineering Department** Spring 2007  
*Teaching assistant: Ecology II: Engineering for Sustainability* Cambridge, MA  
Sophomore level class using ecology and thermodynamics to examine interactions between humans and natural environment; responsible for leading discussion sections and creating and grading problem sets and exams

**MIT summer program** Summer 2006  
*High school course instructor: Animal cognition* Cambridge, MA  
Developed and co-taught course on animal social intelligence, personality, vocal communication and culture

**WHOI Biology Department** Spring 2006  
*Teaching assistant: Communicating Ocean Sciences* Cambridge, MA  
Graduate level course on inquiry-based teaching and learning; Helped teach graduate class lessons, facilitated preparation of demonstrations and materials for community outreach lessons

**Fletcher-Maynard Academy elementary school** 2004 – 2007  
*Environmental education enrichment* Cambridge, MA  
Fostered social and environmental responsibility and consciousness among 3<sup>rd</sup> grade students of broad socioeconomic and educational backgrounds

**Urban Justice Center** Spring 2003  
*Spanish instructor* New York, NY  
Taught introductory and intermediate courses focusing on public benefits- and advocacy-related conversation

**University of St. Andrews Biology Department** Spring 2002  
*Teaching assistant: Evolutionary Biology* St. Andrews, Scotland

Coordinated and taught discussion section, evaluated problem sets and oral and written reports

**Boston College Biology Department**

*Teaching assistant: Animal Behavior*

Organized and taught lecture on animal social behavior, helped facilitate discussion sections, assisted with writing and grading examinations

Spring 2001  
Chestnut Hill, MA

**Pierce High School**

*Instructor: Biology in Mathematics*

Designed and taught 6-week course on mathematical and statistical problem-solving in biology

Spring 2001  
Brookline, MA

**Maimonides High School**

*Student teacher: Introductory & advanced biology*

Organized and taught weekly lectures on topics including photosynthesis, cellular respiration, infectious diseases

Spring 2000  
Brookline, MA

**Boston College Academic Development Center**

*Undergraduate tutor: Introductory biology, genetics, calculus*

2000  
Chestnut Hill, MA

**Newton North and Maimonides High Schools**

*Private tutor: Biology, chemistry, mathematics, Spanish*

1998 – 2000  
Newton & Brookline, MA

## COMMUNITY INVOLVEMENT AND ACTIVITIES

**West Somerville Neighborhood School**

*Elementary school math tutor*

2012 – present

**Roxbury Resource Center**

*Tax preparer for low-income clients*

2010 – present

**Margaret Fuller Neighborhood House**

*Co-instructor for basic computer skills*

2009 – 2010  
Cambridge, MA

**Snowden High School**

*Boston Public high school writing tutor*

Spring 2007, 2008  
Boston, MA

**Hazon New York Jewish environmental bike ride**

*Biker*

Pedaled 160 miles and raised funds for environmental causes and programs

2006, 2008  
CT & NY states

**Geoscience Outreach**

*Board member*

2008  
New England

**Environmental Leadership Program**

*Fellow*

2007  
Greater Boston Regional Network

**Concilio Hispano**

*GED mathematics tutor in Spanish*

Winter 2007  
Cambridge, MA

**Addir Fellowship: Interfaith Dialogue Program**

*Participant*

2007  
MIT, Cambridge, MA

**Students for Global Sustainability**

*Member; Secretary; President*

Co-organized a student sustainability exhibition (2007), designed a sustainability guide to Cambridge and MIT (2005) and co-organized a compact fluorescent light bulb awareness/distribution program (2004)

2003 – 2007  
MIT, Cambridge, MA

**Hillel council of New England**

*Board member*

2004 – present  
Boston, MA

**Haley House of Hospitality**

*Soup kitchen volunteer*

1998; 2004 – 2005, 2006  
Boston, MA

<b>Tekiah: A Jewish call to action</b> <i>Member</i>	2004 – 2006 Boston, MA
<b>Jewish Organizing Initiative</b> <i>Hevruta participant</i> Conversations incorporating social justice, community organizing and Jewish text study	2004 – 2005 CT & NY states
<b>Community Legal Service and Counseling Center</b> <i>Volunteer</i> Drafted an appeal to a Medicaid fair hearing decision for a client with mental illness	2004 Cambridge, MA
<b>Centro Presente</b> <i>Volunteer</i> Filed work permit and immigration status renewals and conducted intakes in Spanish	2003 – 2004 Cambridge, MA
<b>Avodah: The Jewish Service Corps</b> <i>Fellow; Alumnus</i> Anti-poverty work (2002 – 2003), leadership committee (2003 – 2005), and community building working group (2003 – 2004)	New York, NY
<b>University of St. Andrews</b> <i>Student tutor</i>	Spring 2002 St. Andrews Scotland
<b>Boston College</b> <i>4 Boston Volunteer</i> Volunteered 4 hours per week during the breakfast shift at Haley House and participated in weekly reflections	2000 – 2001 Chestnut Hill, MA
<b>Boston College</b> <i>Coordinator, undergraduate biology research presentation series</i>	2000 Chestnut Hill, MA
<b>Boston College Appalachia Volunteers Program</b> <i>Participant; Trip leader</i> Week-long community immersion during spring break in Mountain Lake, VA to assist environmental conservancy (2000) and in Ivanhoe, VA to repair homes of the elderly and infirm (2001)	2000 & 2001 BC, Chestnut Hill, MA
<b>International Hillel Board of Directors</b> <i>Board member</i>	1999 – 2001 Washington, DC
<b>Boston College Jesuit Institute Catholic University Project</b> <i>Discussion series participant</i>	1999 – 2001 Chestnut Hill, MA
<b>New England Regional Hillel student board</b> <i>President</i>	1999 – 2000 Boston, MA
<b>Boston College Hillel</b> <i>President</i>	1998 – 2001 Chestnut Hill, MA
<b>Boston College Student Admissions Program</b> <i>Tour guide and student panelist</i>	1998 – 2000 Chestnut Hill, MA
<b>Suffolk County House of Corrections</b> <i>Volunteer</i> Tutored and taught classes on nutrition, cancer, AIDS and HIV to inmates	Summer 1998 Boston, MA
<b>Newton senior citizen acting group</b> <i>Director</i>	1998 – 1999 Newton, MA
<b>Boston College Shaw Leadership Program</b>	1997 – 2001 Chestnut Hill, MA
<b>Boston College Emerging Leadership Program</b>	1997 – 1998 Chestnut Hill, MA

## THEATER AND PERFORMANCE

<b>Member</b> <i>True Story Theater</i> : playback theater to numerous audiences in the Boston area	2013 – present Arlington, MA
<b>Kato</b> <i>Enjoy</i>	Spring 2011 Apollinaire Theater, Chelsea, MA
<b>Oceanus</b> <i>Enjoy</i>	Spring 2011 MIT workshop, Cambridge, MA
<b>Man</b> <i>Present Simple</i>	Fall 2009 & Winter 2013 MIT workshop, Cambridge, MA
<b>Fiers</b> <i>Cherry Orchard</i>	Spring 2009 MIT workshop, Cambridge, MA
<b>Old man</b> <i>Ataraxia</i>	Spring 2008 MIT Dramashop workshop, Cambridge, MA
<b>Clerk</b> <i>Municipal Abattoir</i>	Fall 2007 Tennessee Williams Theater Festival, Provincetown, MA
<b>Oberon</b> <i>A Midsummer Night's Dream</i>	Summer 2007 Harvard-Radcliffe Summer Theater, Cambridge, MA
<b>Paul Niemand</b> <i>UnderICE/Burnout</i>	Spring 2007 MIT Shakespeare Ensemble/MIT Dramashop, Cambridge, MA
<b>Malevole</b> <i>The Malcontent</i>	Spring 2007 MIT Dramashop, Cambridge, MA
<b>Simon Stimson</b> <i>Our Town</i>	Spring 2007 MIT Dramashop, Cambridge, MA
<b>Anglor and Over-Seer</b> <i>Imperceptible Mutabilities of the Third Kingdom</i>	Winter 2007 MIT Dramashop, Cambridge, MA
<b>Son of the Grand Vizier</b> <i>Aladdin &amp; the Wonderful Lamp</i>	Summer 2006 Tribe for Children, Arlington, MA
<b>Doctor</b> <i>Search for the New Land</i>	Spring 2006 Independent film, Cambridge, MA
<b>Soothsayer; Clitus; etc</b> <i>Julius Caesar</i>	Spring 2006 Improvisational Shakespeare. Threadbare Productions, Cambridge, MA
<b>Macbeth</b> <i>Macbeth</i>	Fall 2005 MIT Shakespeare Ensemble, Cambridge, MA
<b>Professor Failzema</b> <i>Murder in the Green Building</i>	Spring 2005 Cambridge, MA
<b>Dasher</b> <i>The Reindeer Monologues</i>	Winter 2004 MIT Community Players, Cambridge, MA
<b>Benvolio</b> <i>Scene Night</i>	Spring 2004 MIT Shakespeare Ensemble, Cambridge, MA
<b>Member</b> <i>Second Option Improvisational Comedy Troupe</i>	Spring 2002 University of St. Andrews, Scotland
<b>Athenian Mayor</b> <i>Lysistrata</i>	Spring 2002 University of St. Andrews, Scotland
<b>Graziano</b> <i>Merchant of Venice</i>	Winter 2002 University of St. Andrews, Scotland