

# JARED STARR

160 Holdsworth Way | University of Massachusetts | Amherst MA 01003 | jstarr@eco.umass.edu

<b>EDUCATION</b>	<b>UNIVERSITY OF MASSACHUSETTS</b> , Amherst, MA Ph.D. student in Environmental Conservation	Jan 2014 - Present
	<b>UNIVERSITY OF MASSACHUSETTS</b> , Amherst, MA M.S. in Environmental Conservation • Thesis project on factors that drive municipal recycling rates in Massachusetts	Fall 2011 - Dec. 2013
	<b>GEORGE WASHINGTON UNIVERSITY</b> , Washington D.C. B.A. in Political Science	May 2003
<b>PROFESSIONAL</b>	<b>CO-INSTRUCTOR</b> <i>Perspective on Sustainability, UMass Amherst, MA</i> • Graduate-level class focusing on systems thinking and sustainability analysis	Fall 2015 - Present
	<b>CO-INSTRUCTOR</b> <i>iCons 1, UMass Amherst, MA</i> • Team-Based Learning class for students from a variety of science backgrounds	Spring 2015
	<b>ASSISTANT DIRECTOR OF ACADEMIC SUSTAINABILITY PROGRAMS</b> <i>UMass Amherst, MA</i> • Working with the Director to run the program and shape the long term vision	Fall 2014 - Present
	<b>PRODUCER (freelance)</b> <i>The Nature Conservancy</i> • Produced, developed, wrote, directed, hosted, and edited a national series of invasive pest/disease identification videos	Dec 2012 - August 2014
	<b>CO-INSTRUCTOR</b> <i>Environmental Risks Environmental Choices 432, Amherst College, MA</i> • Developed course materials, facilitated class discussions, evaluated students	Spring 2014
	<b>RESEACRH ASSISTANT</b> <i>Outsmart Invasive Species Project, UMass Amherst, MA</i> • Managed team workflow and led writing efforts for publication • Developed, wrote, hosted and edited invasive plant training videos • Created commercial and marketing materials to promote the project	Spring 2012 - Spring 2014
	<b>PROGRAM/ADMISSIONS COORDINATOR</b> <i>Academic Sustainability Programs, Dept. of Environmental Conservation, UMass</i> • Worked with the Director on recruitment, admissions, administration	Fall 2013 - Spring 2014
	<b>TEACHING ASSISTANT</b> <i>Natural Resource Policy and Administration 409, UMass Amherst, MA</i> • Graded assignments and advised students on video production techniques	Spring 2012
	<b>TEACHING ASSISTANT</b> <i>Environmental Policy 213, University of Massachusetts Amherst, MA</i> • Developed multiple lessons and led two classes, graded assignments	Fall 2012
	<b>FOUNDER AND PRESIDENT</b> <i>Smart Choices Kids, Shrewsbury, MA</i> • Responsible for all aspects of the company including research, production, marketing, and overseeing environmental/social responsibility policies	2005-2011
<b>FREELANCE VIDEO PRODUCTION (numerous projects and clients)</b> <i>Audio Dept. Head / Producer Assistant / Assistant Director / PA, various locations</i> • Worked on various aspects of video production in multiple departments	2005 - 2011	
<b>PUBLICATIONS</b>	Starr, J. and Nicolson, C. (2015). Patterns in trash: Factors driving municipal recycling in Massachusetts. <i>Resources, Conservation, and Recycling</i> , 99, 7-18.	
	Starr, J., Schweik, C., Bush, N., Fletcher, L., Finn, J., Fish, J., Bargeron, C. (2014). Lights Camera...Citizen Science! Assessing the Effectiveness of Smartphone-Based Video Training in Invasive Plant Identification. <i>PLOS ONE</i> .	

## VIDEO PUBLICATIONS

- Starr, J. September 2015. *Recycling: 3 years of research in 4 minutes*. YouTube.
- Starr, J. Aug 2014. *Goldspotted Oak Borer Identification*. The Nature Conservancy.
- Starr, J. Aug 2014. *Polyhagous Shot Hole Borer ID*. The Nature Conservancy.
- Starr, J. Aug 2014. *Thousand Cankers Disease ID*. The Nature Conservancy.
- Starr, J. June 2013. *Asian Longhorned Beetle Identification*. The Nature Conservancy.
- Starr, J. June 2013. *Emerald Ash Borer Identification*. The Nature Conservancy.
- Starr, J. June 2013. *Hemlock Woolly Adelgid Identification*. The Nature Conservancy.
- Starr, J. June 2013. *Gypsy Moth Identification*. The Nature Conservancy.
- Starr, J. June 2013. *Winter Moth Identification*. The Nature Conservancy.
- Starr, J. September 2012. *Autumn Olive Identification*. Outsmart Project.
- Starr, J. September 2012. *Exotic Honeysuckle Identification*. Outsmart Project.
- Starr, J. September 2012. *Glossy Buckthorn Identification*. Outsmart Project.
- Starr, J. September 2012. *Multiflora Rose Identification*. Outsmart Project.
- Starr, J. September 2012. *Japanese Knotweed Identification*. Outsmart Project.
- Starr, J. April 2012. *Invasive Species are coming to Massachusetts*. Outsmart Project.

## CONFERENCES/ PRESENTATIONS

- Starr, J., Bush, N., Fletcher, L., Schweik, C., Finn, J., Fish, J., Barger, C. (abstract accepted). February 11-12, 2015. Citizen Science Meets Hollywood: Leveraging Smartphone-Based Video for Invasive Plant Identification. Citizen Science 2015 (pre-conference for AAAS). San Jose, CA.
- Starr, J., Schweik, C., Bush, N., Fletcher, L., Finn, J., Fish, J., Barger, C. November 4, 2014. Citizen Science 2.0: Leveraging Videos and Smartphones for Invasive Species ID. Continental Dialogue on Non-Native Forest Insects and Diseases 10<sup>th</sup> Meeting. Charlotte, NC.
- Bush, N., Fletcher, L., Starr, J., Schweik, C., Finn, J., Barger, C. October 7<sup>th</sup>, 2014. Lights...Camera...Citizen Science! Using smartphones and video for invasive species ID training. Poster session presented at: Invasive Plants 2014: Where Are We Now? 7th Biennial Connecticut Invasive Plant Working Group Symposium. University of Connecticut, Storrs, CT.
- Starr, J. September 27, 2014. Triple Win: Bridging that Long Mile From UMass to Amherst. Five Colleges Department Head and Program Director Meeting. Mellon Foundation Bridging Liberal Arts and Graduate Professional Education Grant Panel. Mount Holyoke College.
- Starr, J. April 25, 2014. Trash to Treasure: Sustainability through Recycling in Massachusetts. College of Natural Science Dean's Advisory Board. University of Massachusetts. Amherst, MA.
- Starr, J. April 17, 2014. Recycling in Massachusetts Communities. Massachusetts Sustainable Communities and Campuses Conference. Lowell, MA.
- Fletcher, L., Starr, J., Bush, N., Schweik, C., Finn, J. April 8, 2014. Lights, Camera...Citizen Science! Assessing the Effectiveness of Video-Based Training in Invasive Plant Identification. New England Natural History Conf. Springfield, MA.
- Starr, J., Bush, N., Fletcher, L., Schweik, C., Finn, J. March 27, 2014. Lights, Camera...Citizen Science! Using Smartphones and video for invasive species ID training. The Nature Conservancy Northeast Region Stewardship Conference. Warwick, RI.
- Starr, J. May 2, 2012. *Recycling in Massachusetts: A Material Recovery Facility Suitability Analysis*. Poster presentation. University of Massachusetts, Amherst, MA.
- MacDonald, B., Schweik, C., Kierstead, M., Bush, N., Fletcher, L., Fish, J. and Starr, J. 2012. Outsmarting Invasive Species: Smartphone Crowdsourcing and Collaborative Environmental Management. Paper presented at the Association for Public Policy Analysis and Management (APPAM) conference, November 9<sup>th</sup>,

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Baltimore, MD.

Berkman, S., Bush, N., Fletcher, L., Kierstead, M., Libby, S., MacDonald, B., Starr, J., Fish, J., Schweik, C. 2012. *Outsmart Invasive Species: Outreach and Research on Citizen Engagement in Invasive Species Monitoring*. Poster presentation. Connecticut Invasive Plant Working Group Symposium. University of Connecticut, Storrs, CT. October 25, 2012.

## VIDEO EXHIBITIONS

Starr, J. Fletcher, L., Bush, N., Schweik, C. September 7-11, 2015. *Multiple Invasive Species ID Videos*. Fourteenth World Forestry Congress. Durban, South Africa.

Starr, J. Fletcher, L., Bush, N., Schweik, C. October 29-31, 2014. *Multiple Invasive Species ID Videos*. Expo Forestal, Guadalajara, Jalisco, Mexico.

Starr, J. Fletcher, L., Bush, N., Schweik, C. October 5-11, 2014. *Multiple Invasive Species ID Videos*. Twenty-Fourth International Union of Forest Research Organizations - World Congress. Salt Lake City, Utah.

## PROFESSIONAL AFFILIATIONS

**CITIZEN SCIENCE ASSOCIATION**

2014-Present

**NEW ENGLAND OUTDOOR WRITERS ASSOCIATION**

2014-Present

## SERVICE

**PHD ADVISORY COMMITTEE & STUDENT REPRESENTATIVE**

Spring 2015

*Department of Environmental Conservation, UMass Amherst, MA*

- Served as student rep to faculty and on PhD strategic planning committee

**GRADUATE STUDENT SENATE**

2012-

*Senator and Finance Committee member, Amherst, MA*

2014

- Funding ECo GSC and advising senate on \$500,000+ budget

**ECo FACULTY HIRING COMMITTEE**

Oct. 2013-

*Committee member, University of Massachusetts Amherst, Amherst, MA*

Feb. 2014

- Served as equal member and only graduate student on the committee

## GRANTS

\$9,500 Department of Environmental Conservation Graduate Student Fellowship

Fall 2014

\$11,790. The Nature Conservancy. Producing a series of smartphone-based training videos to educate citizen scientists on how to identify emergent invasive pest species.

Summer 2014

\$2,100. New England Outdoor Writers Association.

Spring 2014

\$18,650. The Nature Conservancy. Producing a series of smartphone-based training videos to educate citizen scientists on how to identify emergent invasive pest species.

Winter 2013

## TECHNOLOGY

**Academic:** proficiency with ArcGIS, R, Excel, basic STELLA

**Animation:** 3D Max and Adobe After Effects

**Editing/Design:** Adobe Premiere and Photoshop

## REFERENCES

**Dr. Craig Nicolson** (UMass Amherst | [craign@eco.umass.edu](mailto:craign@eco.umass.edu))

**Dr. Charlie Schweik** (UMass Amherst | [cschweik@pubpol.umass.edu](mailto:cschweik@pubpol.umass.edu))

**Dr. David Delaney** (Amherst College | [dpdelany@amherst.edu](mailto:dpdelany@amherst.edu))