

Lee Frankel-Goldwater ∞ Curriculum Vitae

Contact – Lee.FG@Colorado.edu

Education

- PhD Student in Environmental Studies and Design – University of Colorado Boulder** Fall 2016 – Present
Completed three publications in coordination with lab group involving case study research, interviews, and analysis in the fields of learning networks and collaborative planning. TA responsibilities for Intro to Environmental Design and acceptance as a Teaching-as-Research Fellow with the interdisciplinary program in STEM and Graduate-level Teaching.
- Master of Arts in Environmental Conservation Education – New York University, NYC** Fall 2009 – Summer 2011
Thesis Research Topic: “Permaculture Towards Education for Sustainable Development”. Completed program with 3.8 GPA. Coursework in Environmental Health, Agriculture, Field Ecology, Current Policy Issues, and Journalism. Selected Projects: Traditional Knowledge and Food Security through Tibetan Medicine; the Natural Farming of Masanobu Fukuoka; a Water Cycle Curriculum for an Ethiopian Refugee School; and Mobile Apps for Public Health in NYC.
- Graduate Semester in Peace and Environmental Studies – Arava Institute, Israel** Fall 2010
As part of master’s program at NYU, completed a graduate-level semester at the Arava Institute affiliated with Ben-Gurion University. Attended courses in Environmental Education, Ecology, Policy, Ethics, and the award-winning Peace and Environmental Leadership Seminar with fellow students from Israel, the Palestinian Territories, Jordan, and abroad.
- Bachelor of Science in Computer Science, with distinction – University of Rochester, NY** Fall 2001 – Spring 2006
Graduated cum laud with a 3.72 of 4.0 overall GPA and a 3.61 of 4.0 within major GPA. Recipient of a Take Five Scholarship to study Chinese Language and Culture in Beijing, China. Environmental Studies cluster, Music minor with guitar studies at the Eastman School of Music.

Teaching & Work Experience

- Adjunct Professor and Lecturer of Environmental Studies – Pace University, NYC** Fall 2013 – Spring 2016
Successfully developed syllabi for and currently teaching courses titled Social Responsibility and the World of Nature, Animals and Society, and Nature and Culture Connections at the undergraduate-level. Have coordinated student civic engagement projects, received a 4.7/5 average score on student evaluations, and earned superior departmental reviews.
- Director of Educational Technology – The Sustainability Laboratory, NYC & Abroad** May 2011 – Current
Responsibilities have included co-developing and leading the Global Sustainability Fellows Program, developing the educational technology platform for the Ecosystem Restoration Program at Project Wadi Attir, conference presentations, and leading areas of NGO growth.

- Research Assistant – University of Colorado Boulder, Boulder & NYC** Sept 2015
– Current
Member of Dr. Bruce Goldstein’s lab group to develop a case study on the 100 Resilient Cities learning network. Responsibilities have included field interviews, literature analysis, academic writing, and presentations. Work applied to an NSF grant funded white paper.
- Research Assistant – The Cooper Union Institute for Sustainable Design, NYC** May 2015
– July 2015
Part of pilot team for project titled: *Understanding Iowa*, with the aim of modelling and open-mindedly examining the cultural and environmental history of Iowa to seek globally relevant lessons. Serving as a primary research assistant with the group.
- Global Youth Programs Coordinator – Earth Child Institute, NYC & Abroad** Sept. 2011
– Feb 2015
Projects include co-leading the Global Action Classroom, developing a web portal and researching best international education practices for a Water Schools partnership with Swarovski Company, and speaking at United Nations presentations. Work has incorporated on-the-ground research in Brazil and writing towards youth climate education.
- Green Apprentice – Center for Creative Ecology, Kibbutz Lotan, Israel** March –
July 2011
Designed and implemented environmental education curricula and programs for school groups in a hands-on, outdoor setting. Additionally, learned about and practiced green building techniques, organic gardening, and methods for community organizing.

Publications & Writings

- Goldstein, B. E., Chase, C., Frankel-Goldwater, L., Osborne-Gowey, J., Risien, J., & Schweizer, S. (2017). Transforming with a Soft Touch: Comparing Four Learning Networks. *Systems Research and Behavioral Science*, 34(5), 537-543.
- Goldstein, BE., Chase, C., Frankel-Goldwater, L., Osborn-Gowey, J., Risien, J., Schweizer, S. (2017) Transformative Learning Networks: Guidelines and Insights for Netweavers. *Network of STEM Education Centers and Center for Science and Technology Policy Research*.
- *In review*: Frankel-Goldwater, L. (2016) Social Responsibility and the World of Nature: A model for an interdisciplinary, undergraduate environmental studies course inspiring whole systems thinking and environmental citizenship. *Journal of Environmental Studies and Sciences*.
- Goldstein, BE., Frankel-Goldwater, L., et al. (2016) Transformative Learning Networks. *Proceedings of the ISSS 60th Annual Meeting*. Paper presented at the 60th Annual Meeting of the International Society of the System Sciences, Boulder, Colorado.
- *Contributor*: The Sustainability Laboratory, Global Sustainability Fellows, EARTH University (2015) Martina Bustos: Project Transition - A Sustainability Blueprint for Community Development. *Public White Paper product of the Global Sustainability Fellows Program sessions 2014-15*.
- *Contributor*: Jandrić, P., & Boras, D. (2015) Critical learning in digital networks. *Springer International Pub*.
- Earth Child Institute, Frankel, L. (2014) Bridging Article 6 of the UN Framework Convention on Climate Change and the Convention on the Rights of the Child. *ECI Press, for proceedings of UN Climate Conference in Lima, Peru*.
- Frankel, L. (2014-2012) *Sh'ma: Journal of Jewish Social Responsibility*. Blogger, <http://shma.com/author/leefg/>
- Frankel, L. (2012) *Master's Thesis*: Permaculture as a Tool for Implementing the UN Decade of Education for

Sustainable Development. *Australia: Permaculture Research Inst.* Retrieved 2014 from <http://bit.ly/1FnRSx1>

- Frankel, L. (2006) Hidden Markov Models and AI Music Composition. *Journal for Undergraduate Research*, Rochester, NY: University of Rochester Press. Retrieved 2014 from <http://hdl.handle.net/1802/1510>
- Frankel, L. (2006) Overview of GIS Resources and Opportunities for Applications at the University of Rochester. Rochester, NY: UR Research. Retrieved 2014 from <http://hdl.handle.net/1802/2648>

Presentations, Memberships, Fellowships & Grants

Grant – Environmental Studies Program at CU Boulder Student Research Grant (\$1500)	Nov 2017
Conference Presenter – Assoc. of Collegiate Schools of Planning Annual Conference, Denver, CO	Oct 2017
Scholarship – William B. Stapp Conference Attendance Scholarship to the North American Association of Environmental Educator’s Annual Conference 2018	Oct 2017
Conference Presenter - Association for Environmental Studies Annual Conference, Tucson, AZ	June 2017
<i>Topic: Developing Affective Awareness in the Context of Interdisciplinarity: Authentic Learning for Environmental Studies in Higher Education</i>	
Grant – Environmental Studies Program at CU Boulder Conference Travel Scholarship (\$500)	May 2017
Invited Talk – TIGER Teaching Professional Development Lecture Series	Feb 2017
<i>Topic: Developing Whole Systems Thinking for Teaching in STEM Education</i>	
Fellowship – Teaching as Research Fellow, CU Boulder Graduate Teacher Program (\$500)	Oct 2016-17
Invited Talk – TIGER Teaching Professional Development Lecture Series	Oct 2016
<i>Topic: Developing Whole Systems Thinking: Evoking Affective Experiences in the Classroom</i>	
Conference Presenter – Best of Both Worlds, Env. and Sustainability Ed. Conference, Estes, CO	Sept 2016
<i>Topic: Social Responsibility and the World of Nature: A Model for Teaching Whole Systems Thinking in an Interdisciplinary Environmental Studies Course</i>	
Invited Talk – Center for Science and Technology Policy Research, Boulder, CO	Sept 2016
<i>Topic: Collaborating for System Change: Learning Networks for Resilience and Impactful Science</i>	
Conference Presenter – International Society for the Systems Sciences - 60th Annual Conference: Realizing Sustainable Futures in Socio-Ecological Systems, Boulder, Colorado	July 2016
<i>Topic: Transformative Learning Networks - A multi-case study of building transformative capacity</i>	
Student Member – North American Association for Environmental Education	Apr 2016
Full Member – Association for Environmental Studies and Sciences	Apr 2016
Conference Presenter – 12th Annual Conference of the Environmental Consortium of Colleges and Universities: Celebrating the Living Classroom, Vassar College, NY	Nov 2015
<i>Topic: Regional waterways as a curriculum tool for inspiring ecological systems consciousness and global environmental citizenship</i>	
Scholarship – Union of Adjunct Faculty Conference Scholarship: Celebrating the Living Classroom	Sept 2015
Fellowship – Confucius Institute Faculty Seminar and China Exchange Program, Pace U., NYC	May 2015 - 2016
<i>Project: Aesthetics of Nature in Classical Chinese Culture - Citizenship and the Five Excellences</i>	
Grant & Fellowship – Project Pericles Public Value Fellowship for Course Development, Pace U.	Mar 2015
Planning Committee Member, 10th Annual Student Summit: Reinventing Your Campus, Sustainability Starts With You – Environmental Consortium of Colleges, NYC	Feb 2015
Full Member – Environmental Consortium of Colleges & Universities, Hudson Valley Region	Feb 2015

Grant – Pace Learning Community Grant, for course: Nature and Culture Connections, Pace U.	May 2014
Guest Speaker – Center for Holocaust Studies, Manhattan College, NYC	Mar 2014
<i>Topic: Peace & Environmental Leadership at the Arava Institute for Environmental Studies</i>	
Conference Presenter – UN Rio+20 Side Event: Earth Child Institute, United Nations, NYC	Apr 2012
<i>Topic: Impacts of the Global Action Classroom for Climate Change Education</i>	
Young Adult Fellow – Hazon Sustainable Food Conference, Asilomar, CA	Dec 2009
Take Five Scholar – University of Rochester: Awarded Tuition Free Year for Chinese Cultural Studies	Sept 2002

Selected Projects & Leadership

Science Advisor and Instructor, Lens on Climate Change - CIRES Center for Education and Outreach, Boulder and Salida, CO	Summer 2017
Helped to lead and develop programs for middle school age students to aid in the creation of self-directed videos based on a personal expression of community environmental challenges. Worked with Dreamers and at-risk groups as a part of this work.	
Junior Faculty, Global Sustainability Fellows Program – EARTH University, Costa Rica & Arava Institute, Israel	Summer 2012 – Current
Developed and co-led graduate level education programs in sustainability education, systems design theory, and community development. Result of a multi-year partnership with The Sustainability Laboratory and EARTH University, and has completed its second-year program.	
Project Manager, Digital Education Platform: Ecosystem Restoration Program at Project Wadi Attir – The Sustainability Laboratory, NYC & Israel	May 2014 – Current
Serving as project coordinator, web designer, and pedagogical lead for the project’s digital education platform. Funding earned from international donors, and platform will be integrated into a learning center on the ground at Wadi Attir in Hura, Israel. Received special recognition at UN COP12 Conference in Ankara, Turkey. URL: eco.sustainabilitylabs.org	
Program Coordinator, Global Action Classroom – Earth Child Institute, Global Network	June 2012 – Feb 2015
Developed and co-led the Global Action Classroom towards international youth climate education, utilizing digital tools to connect global stakeholders, while encouraging local action and measurable outcomes. Participants include children and youth leaders in Brazil, Nigeria, Ghana, Nicaragua, Qatar, Nepal, Cameroon, England, and the US.	
Youth Conference Coordinator – Northeast Organic Farming Association, Winter Session	Jan 2012
Advisor and Youth Leader – 1st Annual Sustainable Energy Youth Conference, Eilat, Israel	Feb 2011
Development Assistant, Outbound Programs – International YMCA, NYC	Jan-Jun 2009
Teacher and Volunteer – Amaru Mayu Conservation Project, Manu National Park, Peru	July 2007
Substitute Teacher – New York City Department of Education, NYC	2007 – 2008
GIS and Field Ecology Program Intern – Bureau of Indian Affairs & Student Conservation Association, Program for Wildland Fire Monitoring, Zuni, New Mexico	Jun-Aug 2006

Additional Skillsets & Notable Experience

Mandarin Chinese Language – Verbally proficient with basic reading and writing skills, used professionally

Spanish Language – Verbal and reading proficiency with basic writing skills, used in professional contexts

Technology Skills – Coding: Java, Lisp, C, PHP, HTML, CSS; General: Audio & Video Dev., ArcGIS, Office Suite

International Travel and Living Experience – 20+ countries on six continents, for professional and personal goals

Founder, Human Eclectic: A Design and Ecological Consultancy for Non-Profits, NYC and Abroad