

# Ian Parker Renga

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## EDUCATION

### University of Colorado, Boulder

*Ph.D. in Education (in progress)*

*Research emphasis in teaching and teacher education*

*Dr. Dan Liston and Dr. Jennie Whitcomb, advisors*

Boulder, CO

08/09 – present

### Harvard University

*Ed.M. Learning & Teaching (GPA 3.85)*

*Dr. David Perkins, advisor*

Cambridge, MA

09/04 – 06/05

### Indiana University

*B.S. Biology and B.A. Fine Arts with a minor in Art History (GPA 3.89)*

*Graduated with departmental honors and high distinction*

*Dr. Ellen Ketterson, honors thesis advisor*

Bloomington, IN

01/98 – 05/01

## RESEARCH

### Secondary Science Teaching & Learning

*Research Assistant with Dr. Erin Furtak at CU-Boulder*

Assisted Dr. Furtak with an NSF supported investigation of biology teachers' development and uses of common formative assessments of natural selection.

Boulder, CO

08/11 – present

### Research Consultant for Secondary Biology Instruction

*Boulder High School, Boulder, CO*

Compared dissection curriculum to an alternative for Boulder Valley Schools District.

Boulder, CO

08/10 – 08/11

### Web-based Learning Technologies

*Research Assistant with Dr. Deborah Tatar at Virginia Tech*

Piloted web-based teaching tool: ThoughtSwap. Transcribed and processed video data and trained undergraduate research assistants.

Blacksburg, VA

12/07 – 06/09

### Harvard's Project Zero: Making Learning Visible Project

*Documentation and Seminar Assistant*

Assisted with a monthly seminar for local educators on the theories, techniques, and challenges of using small groups for collaborative learning and documentation.

Cambridge, MA

10/04 – 05/05

### Biological Research at Indiana University

*Lab and Field Researcher*

Conducted research on evolution of testosterone levels in dark eyed juncos at Mountain Lake Biological Station (VA).

Bloomington, IN, and Pembroke, VA

04/99 - 08/04

## PAPERS & POSTERS\*

Renga, I. (2013). *Teach like a researcher: The contours and implications of a teaching experiments approach to preparing secondary STEM teachers*. Poster presented at CU-Boulder's Science Education Initiative (SEI) and Center for STEM Learning Year-end Event.

- Liston, D. and Renga, I. (2012). A Curricular View of *The Teacher and the World: A Study of Cosmopolitanism as Education*. Paper presented at the American Educational Researchers' Association 2012 conference in Vancouver, BC.
- Furtak, E.M., Heredia, S., Morrison, D., and Renga, I. (2012). *Teacher Learning in Conversations About Formative Assessment*. Paper presented at the American Educational Researchers' Association 2012 conference in Vancouver, BC.
- Renga, I. (2010). *Choosing to Give Back: Service Organizations and the Practice of Service by College Students*. Paper delivered at the American Educational Researchers' Association 2011 conference in New Orleans, LA.
- Dickey-Kurdziolek, M., Schaefer, M., Renga, I., Tatar, D. (2010) *Lessons learned from ThoughtSwap-ing: Increasing participants' coordinative agency in facilitated discussions*. ACM Conference for Computer Supported Collaborative Work (CSCW): Athens, Georgia.
- Dickey-Kurdziolek, M., Schaefer, M., Renga, I., Tatar, D. (2009) *Facilitating discussion through ThoughtSwap*. International Society of the Learning Sciences Conference on Computer Supported Collaborative Learning (CSCL): Rhodes, Greece.

\*Additional publications from biology research available upon request.

## EDITED BOOKS

- Liston, D.P., and Renga, I. (under contract). *Teaching, learning, and schooling in film: Reel education*. New York: Routledge.
- Furtak, E.M., and Renga, I. (under contract). *The road to tenure: Interviews, rejections, and other humorous experiences (working title)*. Lanham, MD: Rowman & Littlefield.

## TEACHING

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|---|-------------------|
| <b>University of Colorado, Boulder</b>  | Boulder, CO       |
| <i>Instructor, EDUC 5215: Elementary Science Theory &amp; Methods</i>   | 08/10 – 05/13     |
| Instruct teacher candidates in effective use of reform-oriented teaching practices, with special emphasis given to language and literacy in science. Coordinate students' practicum placement and experience. |                   |
| <i>University Supervisor</i>  | 08/09 – 05/11     |
| Observed and instructed student teachers as part of CU-Boulder's teacher preparation program. Taught course EDUC 4513 on instruction and curriculum development.  |                   |
| <b>Thorne Nature Experience</b>   | Boulder, CO       |
| <i>Summer Programs Instructor</i>   | Summer 2011, 2012 |
| Developed and taught intro and advanced fly fishing courses for children ages 8-12.   |                   |
| <b>Wild Bear Mountain Ecology Center</b>  | Nederland, CO     |
| <i>Youth Programs Coordinator and Instructor</i>  | Summer 2010, 2011 |
| Coordinated staff for summer field experience workshops (2010). Developed and implemented Rocky Mtn. ecology curriculum for children ages 8-12.   |                   |
| <b>Blacksburg New School</b>  | Blacksburg, VA    |
| <i>Middle School Teacher</i>  | 08/06 – 06/09     |
| Taught science, math, and life skills. Also taught language arts, social studies, and elementary life skills. Led students on several trips to conduct field-based research.                                  |                   |

Pictorial teaching portfolio:  
<http://ianrengateachingportfolio.shutterfly.com/>

**Journeys School of Teton Science Schools**

Jackson, WY

*Art Instructor, After School Coordinator, and Learning Specialist*

08/05 – 06/06

Designed and implemented 6-12<sup>th</sup> grade fine arts program, including a new student filmmaking project coordinated with the Jackson Hole Film Festival. Ran the after school program. Worked one-on-one with students to address learning challenges.

**Bellingham Public Schools District**

Bellingham, WA

*Instructional Assistant and Substitute Teacher*

02/02 – 06/04

Worked with special needs students at the middle school, secondary, and collegiate level as an instructor, job coach, in-class assistant, and autism specialist.

**WA State Division of Developmental Disabilities**

Bellingham, WA

*Contracted In-home Care Provider*

03/02 – 06/04

Provided academic tutoring and living-skills training for a teen diagnosed with autism.

**Families for Autistic Children Education and Support (F.A.C.E.S.)**

Bellingham, WA

*Program Co-Director and Summer Staff Member*

10/02 – 11/03

Developed and implemented monthly gathering for special needs youth ages 4-18. Also worked as a counselor in the summer program.

**I.U. Freshman Interest Groups (F.I.G.'s)**

Bloomington, IN

*Peer Instructor & Trainer*

08/99 - 05/01

Developed and taught two freshmen seminars on transitioning to college life and also co-led the peer instructor training course.

**FELLOWSHIPS & AWARDS**

2012 Recipient of the Chancellor's Graduate Student Award for Excellence in STEM Education

2010 Awarded the Elizabeth A. Wilson Scholarship at the CU-Boulder School of Education

**PROFESSIONAL AFFILIATIONS**

American Educational Researchers Association – member 2009-present

American Association of Colleges of Teacher Education – member 2011-present

**SERVICE**

2010 Member of leadership team for new doctoral student orientation at CU-Boulder School of Education

2009 Served as Graduate Student Government Representative for the CU-Boulder School of Education