Tyler W. Rinker

CONTACT INFORMATION	Campus Labs Department of Research and Development 298 Main Street Buffalo, NY 14203	*Mobile:* 1-716-472-2642 *E-mail:* tyler.rinker@gmail.com *Web:* trinkerrstuff.wordpress.com *GitHub:* github.com/trinker

RESEARCH INTERESTS

Text analysis, data visualization, quantitative/qualitative discourse analysis, workflow improvement, and student engagement.

EDUCATION

University at Buffalo, SUNY Buffalo, NY

Ph.D., Curriculum, Instruction, and the Science of Learning, May 2017

- Thesis Topic: *Graphical Discourse Analysis*
- Concentration: Reading Education
- Adviser: Lynn E. Shanahan, Ph.D.

C.A.S., Applied Statistical Analysis, Spring 2014

Buffalo State College, SUNY Buffalo, NY

C.A.S., Educational Leadership, Spring 2009

- Adviser: Nancy Chicola, Ph.D.

M.S., Childhood & Early Childhood Curriculum & Instruction, Spring 2007

Houghton College Houghton, NY

B.S., Elementary Education, Spring 2002

RESEARCH EXPERIENCE

Data Scientist Department of Research and Development, Campus Labs Supervisor: John White, Ph.D.	July 2015 to present
Research Project Manager Center for Literacy and Reading Instruction, University at Buffalo, SUNY Supervisor: Mary M. McVee, Ph.D.	Sept 2012 to present
Graduate Assistant Department of Learning and Instruction, University at Buffalo, SUNY Supervisor: Lynn E. Shanahan, Ph.D.	Sept 2010 to Jan 2011

AWARDS

- William C. Eller Memorial Scholarship	2012-2013
- GSE Student Research Symposium: Best Research Poster	2014
- William C. Eller Memorial Scholarship	2014-2015
- LAI Outstanding Student Researcher	2014-2015

COMPUTER SOFTWARE DEVELOPMENT

Computer and Document Languages:
- R, LaTeX, SQL, HTML, CSS, R Markdown

Program Development

- Rinker, T. W. (2017). numform: Tools to format numbers for publication. Buffalo, New York. `http://github.com/trinker/numform`
- Rinker, T. W. (2017). textstem: Tools for stemming and lemmatizing text. University at Buffalo. Buffalo, New York. `http://github.com/trinker/textstem`
- Rinker, T. W. (2017). gofastr: Fast DocumentTermMatrix and TermDocumentMatrix Creation. University at Buffalo. Buffalo, New York. `http://github.com/trinker/gofastr`
- Rinker, T. W. (2017). textshape: Tools for Reshaping Text. University at Buffalo. Buffalo, New York. `http://github.com/trinker/textshape`
- Rinker, T. W. (2017). lexicon: Lexicon Data. University at Buffalo. Buffalo, New York. `http://github.com/trinker/lexicon`
- Rinker, T. W. (2017). termco: Tools to count terms and substrings in strings. University at Buffalo. Buffalo, New York. `http://github.com/trinker/termco`
- Rinker, T. W. (2016). textclean: Text Cleaning Tools. University at Buffalo. Buffalo, New York. `http://github.com/trinker/textclean`
- Rinker, T. W. (2016). tagger: Part of Speech Tagging. University at Buffalo. Buffalo, New York. `http://github.com/trinker/tagger`
- Rinker, T. W. (2016). clustext: Consistent Clustering for Text Data. University at Buffalo. Buffalo, New York. `http://github.com/trinker/clustext`
- Rinker, T. W. (2016). sentimentr: Calculate Text Polarity Sentiment. University at Buffalo. Buffalo, New York. `http://github.com/trinker/sentimentr`
- Rinker, T. W. (2016). syllable: A Small Collection of Syllable Counting Functions. University at Buffalo. Buffalo, New York. `http://github.com/trinker/syllable`
- Rinker, T. W. (2016). qdapRegex: Regular Expression Removal, Extraction, and Replacement Tools. University at Buffalo. Buffalo, New York. `http://github.com/trinker/qdapRegex`
- Rinker, T. W. (2015). readability: Tools to Calculate Readability Scores. University at Buffalo. Buffalo, New York. `http://github.com/trinker/readability`
- Rinker, T. W. & Kurkiewicz, D. (2015). pacman: Package Management for R. University at Buffalo. Buffalo, New York. `http://github.com/trinker/pacman`
- Rinker, T. W. (2015). parsent: Sentence parsing tools. University at Buffalo. Buffalo, New York. `http://github.com/trinker/parsent`
- Rinker, T. W. (2015). entity: Named entity recognition. University at Buffalo. Buffalo, New York. `http://github.com/trinker/entity`
- Rinker, T. W. (2015). formality: Calculate Text Formality. University at Buffalo. Buffalo, New York. `http://github.com/trinker/formality`
- Rinker, T. W. (2015). lexr: Lexical Dispersion Plotting. University at Buffalo. Buffalo, New York. `http://github.com/trinker/lexr`
- Rinker, T. W. (2015). qdapTools: Tools to Accompany the qdap Package. University at Buffalo. Buffalo, New York. `http://github.com/trinker/qdapTools`
- Rinker, T. W. (2013). qdap: Quantitative Discourse Analysis Package. University at Buffalo. Buffalo, New York. `http://github.com/trinker/qdap`

REFEREED
JOURNAL
PUBLICATIONS

1. Aloe, A. M., Shisler, S. M., Norris, B. D., Nickerson, A. B., & Rinker, T. W. (2014). A multivariate meta-analysis of student misbehavior and teacher burnout. *Educational Research Review, 12*, 30 - 44. doi:10.1016/j.edurev.2014.05.003

BOOK CHAPTERS

1. McVee, M. B., Shanahan, L. E., Pearson, P. D., & Rinker, T. W. (2015). Using the gradual release of responsibility model to support video reection with preservice and inservice teachers. In E. Ortlieb, L. E. Shanahan, & M. B. McVee (Eds.), *Literacy research, practice and evaluation* (Chap. 4, Vol. 5, pp. 59–80). Bingley, UK: Emerald Group. doi:10.1108/S2048-045820150000005010

2. Shanahan, L. E., Tochelli-Ward, A. L., & Rinker, T. W. (2015). Insights into inservice teachers' video-facilitated reflection of literacy practices. In E. Ortlieb, L. E. Shanahan, & M. B. McVee (Eds.), *Literacy research, practice and evaluation* (Chap. 2, Vol. 5, pp. 21–40). Bingley, UK: Emerald Group. doi:10.1108/S2048-045820150000005007

3. Shanahan, L. E., McVee, M. B., Schiller, J. A., Tynan, E. A., D'Abate, R. L., Flury-Kashmanian, C. M., Rinker, T. W., Ebert, A. A., & Hayden, H. E. (2013). Learning to support struggling readers and literacy clinicians through reflective pedagogy. In E. Ortlieb & E. Cheek, Jr. (Eds.), *Literacy research, practice, and evaluation: From the clinic to the classroom* (Vol. 2). Corpus Christi: Emerald Press.

PAPERS IN PREPARATION

1. Erekson, J., McVee, M. B., Rinker, T. W., & et al. (2013). *Ten best ideas for reading teachers: A retrospective analysis.* Paper presented at the Literacy Research Association, Dallas, TX.

2. Rinker, T. W. & McVee, M. B. (2013). *Student Engagement with Mediational Tools in a Literacy Clinic: A Multimodal Examination of Clinician Designed Materials.* Paper presented at the Literacy Research Association, Dallas, TX.

3. Rinker, T. W., McVee, M. B., Cho, Y. & Schiller, J. A. (2012). *The Overlooked Role of Teacher Feedback During Literacy Instruction: Tensions Between Engagement, Embodiment, and Ipseity.* Paper presented at the Literacy Research Association, San Diego, CA.

PRESENTATIONS

National Presentations
- Reinking, D., Dooley, C. M., Rinker, T. W., & et al. (2014, December). Professors, we need you!!!: Public intellectuals, advocacy, and activism. (Presentation for the Literacy Research Association Annual Conference).
- Erekson, J., McVee, M. B., Rinker, T. W., & et al. (2013, December). Ten best ideas for reading teachers: A retrospective analysis. (Presentation for the Literacy Research Association Annual Conference).
- Rinker, T. W. & McVee, M. B. (2013, December). Student Engagement with Mediational Tools in a Literacy Clinic: A Multimodal Examination of Clinician Designed Materials. (Presentation for the Literacy Research Association Annual Conference).
- Rinker, T. W., McVee, M. B., Cho, Y. & Schiller, J. A. (2012, November). The Overlooked Role of Teacher Feedback During Literacy Instruction: Tensions Between Engagement, Embodiment, and Ipseity. (Presentation for the Literacy Research Association Annual Conference).

Professional Presentations: Invited
- Shisler, S., Norris, B., & Rinker, T. W. (2014, April). A Multivariate Meta-Analysis of Student Misbehavior and Teacher Burnout. (Presentation for the Graduate School of Education Student Research Symposium at University at Buffalo, SUNY).
- Rinker, T. W. (2013, December). qdap Demonstration: If You Can Dream up an Analysis then qdap and R Can Help Get You There. Presented for Research Institute on Addictions.
- Rinker, T. W. (2013, September). Affordances of HTML5 in Academic Writing: A Tool to Enhance the Interaction With and Presentation of Data. Presented for New Literacies Group at University at Buffalo, SUNY.
- Rinker, T. W. (2013, June). Data Visualization: Seeing the Story in the Data and Learning to Effectively Communicate It to Others. Presented for CLaRI 50th

Anniversary Literacy Conference: Looking Back, Moving Forward, at University at Buffalo, SUNY.

- Rinker, T. W. (2013, February). Quantitative Discourse Analysis and Visualization. Presented for LAI 626: Discourse Analysis, at University at Buffalo, SUNY.
- Rinker, T. W. (2012, November). Qualitative Data Analysis and Writing. Presented for LAI 659: Qualitative Techniques for Education, at University at Buffalo, SUNY.
- Rinker, T. W. (2012, February). Quantitative Discourse Analysis and Visualization. Presented for LAI 626: Discourse Analysis, at University at Buffalo, SUNY.

Teaching Experience

Instructor   Fall 2014
LAI 556 - Classroom-Based Literacy Assessment
Department of Learning and Instruction
University at Buffalo, SUNY

Co-instructor   Spring 2013
LAI 556 - Classroom-Based Literacy Assessment
with Lynn E. Shanahan
Department of Learning and Instruction
University at Buffalo, SUNY

Service

- rOpenSci Text Workshop   2017
- Journal of Statistical Software Reviewer   2015
- Literacy Research Association Conference Reviewer   2013

References

Mary B. McVee
Associate Professor &
Director of the Center for Literacy and Reading Instruction   Phone: 716-645-2458
Department of Learning and Instruction   E-mail: mcvee@buffalo.edu
University at Buffalo

Lynn E. Shanahan
Associate Professor   Phone: 716-645-4028
Department of Learning and Instruction   E-mail: ls34@buffalo.edu
University at Buffalo

Ming Ming Chiu
Charles R. Hicks Professor of Educational
Psychology and Research Methodology   Phone: 765-496-0119
Department of Educational Studies   E-mail: chiu23@purdue.edu
Purdue University