

# Wren Bouwman

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Iowa State University

*Department of English*

## RESEARCH INTERESTS

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My research investigates writing processes by merging biometric data logging with discourse analysis, focusing on understanding students' intentions in reading and writing. I aim to use this insight to assist in developing Intelligent Tutoring Systems to offer real-time feedback and to enhance teaching materials for college literature and composition courses.

## EDUCATION

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**Ph.D.** Applied Linguistics & Technology, Iowa State University Aug 2022 - Present

**Dissertation:** Supporting Intention and Process in Source-Based Writing: A Design-Based Approach to Enhancing Synthesis Pedagogy

**Major professor:** Dr. Evgeny Chukharev

**Committee:** Dr. Carol Chapelle, Dr. Gulbahar Beckett, Dr. Abram Anders, Dr. Mark Torrence, Dr. Rianne Conijn

**Studies Include:** Quantitative & Qualitative Research, Cognitive Psychology in HCI, Discourse Analysis, Natural Language Processing, Formal Methods of Linguistic Analysis; Seminars in Technology Transfer in CALL, Psychometrics, Project-Based Learning, L2 Writing & Technology

**M.A.** TESL and Applied Linguistics, Iowa State University Aug 2020 - May 2022

**Thesis:** Morphological expression of imperative speech acts in the Gothic Bible

**Major professor:** Dr. Evgeny Chukharev

**Specialization:** Second Language Literature

**Studies Include:** Computers & Applied Linguistics, Seminar in Biometrics for Linguistics Research, Computational Analysis of English, Drama (Literature), Old English Literature, Corpus Approaches to Grammar

**B.A.** English, Iowa State University Aug 2016 - May 2019

**Minor:** Speech Communication

**Studies Include:** Teaching for Secondary Education, Teaching Literature, History of the English Language, Teaching with Technology, Teaching Speech Communication

## TEACHING EXPERIENCE

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**Iowa State University, Ames, IA**

Graduate Teaching Assistant (Instructor of Record)

Fall 2020 - Present

- *ENGL 2500: Written, Oral, Visual, and Electronic Composition*
- *ENGL 1500: Critical Thinking and Communication*
- *SP CM 2120: Fundamentals of Public Speaking*

Volunteer Teaching Assistant

- *ENGL 420: History of the English Language* Fall 2020 - Present

**Collins Aerospace**, Remote  
Learning and Development Co-Op

Jun 2021 - Dec 2021

## RESEARCH EXPERIENCE

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### **Language Processing, Acquisition, and Change (PACE) Laboratory** Aug 2020 - Present

- Senior Research Assistant and Project Manager, SourceWrite (Aug 2024 - Present)  
*Under the direction of Dr. Evgeny Chukharev*  
**Projects:** Real-time, biometric, intention-informed scaffolding of source-based writing processes
- Research Assistant, ProWrite (Jan 2023 - July 2024)  
*Under the direction of Dr. Evgeny Chukharev*  
**Projects:** Developing biometric technology focused on improving writing processes during integrated writing tasks

### **Historical Linguistics Research Group**

Aug 2020 - May 2022

- Project Manager and Group Member  
*Under the direction of Dr. Evgeny Chukharev*  
*Advisement from Dr. Irina Netunayeva, Russian State University for the Humanities*  
**Projects:** Annotating Gothic verbs for the imperative meaning, defining and annotating lexical and semantic aspects of Gothic verbs, developing an annotation schema for imperative speech acts in the Gothic Bible

### **Second Language Writing Research Group**

Aug 2024 - Present

- Research Group Member  
*Under the direction of Dr. Angela Hakim*  
**Projects:** Replication of Jiang et al. (2024) using EPT corpus and ChatGPT

## PROFESSIONAL SERVICE

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- **Journal Article Reviewer** Oct 2023 - Present  
Journal of Writing Research
- **TSLI Abstract Reviewer** 2023 - 2025  
Supervised by Mahdi Duris and Sara Afifi
- **TSLI 2023 Session Moderator** Fall 2023  
Supervised by Mahdi Duris
- **Using Educational Technology in the English Language Classroom** Spring 2023  
Peer Mentor, under the direction of Agata Guskarska

## ACADEMIC SERVICE

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- **Peer Advising Resource Team** Fall 2024  
Peer Mentor, under the direction of Tina Coffelt
- **ISUComm Foundations Redesign Institute** Summer 2024

- Consultant, under the direction of Leslie Bartlett
- **SP CM 212 Test Out** Fall 2022 and Spring 2022
- Grader, under the direction of Maggie La Ware
- **SP CM 212 Course Shell Review** Spring 2022
- Reviewer, under the direction of Anne Kretsinger-Harries
- **SP CM 212 Time Management Calculations for GTAs** Spring 2021
- Time logger, under the direction of Anne Kretsinger-Harries

## INSTITUTIONAL SERVICE

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### Graduate and Professional Student Senate

- President Aug 2024 - May 2025
- Co-Chair on the Council of College Chairs Jan 2024 - May 2024
- LAS College Chair Sept 2023 - May 2024
- Conference Committee Treasurer & Admin. Coordinator Sept 2023 - May 2024
- Department of English Senator Aug 2022 - May 2024

### Memorial Union Advisory Board

- Vice President Sept 2024 - May 2025
- Development Committee Member Aug 2024 - May 2025
- Student Advisory Committee Member Aug 2024 - May 2025

### Higher Learning Commission Accreditation Criterion 3 Committee

- Committee Member Aug 2024 - May 2025

### Provost Hiring Committee Member

Apr 2024 - Aug 2024

### Special Student Fees Committee Member

Aug 2024 - May 2025

### Strategic Initiatives Planning Committee Member

Aug 2024 - May 2025

## CONFERENCE PRESENTATIONS

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**Bouwman, W.** *Toward real-time feedback on source use in student writing.* (May 7, 2025). IGNITE Showcase, Iowa State University.

**Bouwman, W.,** Dux Speltz, E., and Turner Ledgerwood, K. (March 28, 2025). *Leveraging AI to create a legacy of student agency: A roundtable discussion of genAI in writing instruction and Consultation* [Roundtable]. Southern Regional Composition Conference 2025, Virtual.

Dux Speltz, E., **Bouwman, W.,** Anders, A., Roeser, J., Torrance, M., and Chukharev, E. (June 26-28, 2024). *Evaluating the efficacy of combined process- and product-focused coaching in enhancing text quality* [Conference presentation]. Earli SIG Writing 2024, Paris, France.

**Bouwman, W.,** Dux Speltz, E., Anders, A., Roeser, J., Torrance, M., and Chukharev, E. (June 26-28, 2024). *Harnessing real-time process data for enhancing source-based writing proficiency* [Conference presentation]. Earli SIG Writing 2024, Paris, France.

Dux Speltz, E., Roeser, J., **Bouwman, W.,** Torrance, M., and Chukharev, E. (June 26-28, 2024). *Within-writer behavioral stability across writing sessions* [Conference presentation]. Earli SIG Writing 2024, Paris, France.

Dux Speltz, E., **Bouwman, W.** (June 23-25, 2024). *Evaluating the effect of process- and product-focused feedback in university writing courses* [Conference

presentation]. Earli SIG Writing Research School 2024, Paris, France.

**Bouwman, W.** & Dux Speltz, E. (March 10-11, 2023). *Linking reading-during-writing to text quality: Modeling text quality with eye movement and keystroke behavior*.

[Conference Presentation]. Second Hawai'i International Conference on English Language and Literature Studies (HICELLS 2023), Hilo, HI, USA.

## PUBLICATIONS

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Dux Speltz, E., Roeser, J., **Bouwman, W.**, Torrance, M., & Chukharev, E. (Under review). Writing traits: Examining the consistency of behavioral patterns in writers' composing processes. *Journal of Writing Research*.

**Bouwman, W.** (Under Review). "Narrative, Language, and Learning: A Game-Based Approach to Project-Based Teaching" In G. Beckett (Ed.) *Innovative Project-Based Language and Content Teacher Education: Standards, Assessment, and Implementation*.

**Bouwman, W.** (Under Review). Moves that matter: A move analysis of summary writing in introductory composition courses.

**Bouwman, W.** (2024) [Review of *Conceptualizing, Designing, Implementing, and Evaluating Writing Interventions*]. *Journal of Writing Research*, 16(2).

Chukharev, E., **Bouwman, W.**, Dobrynina, N., Dux Speltz, E., Novotny, M., & Sollier, N. (2024). "Designing computer-assisted language learning tools as platforms for data collection in applied linguistics." In K. Sadeghi (Ed.) *Routledge Handbook of Technological Advances and Considerations in Applied Linguistics Research*. Routledge.

## INVITED TALKS AND PANELS

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**Bouwman, W.** (March 2025). Graduate and Professional Student Conference Awards Ceremony, Graduate and Professional Student Senate, Iowa State University.

Ahmad, A., **Bouwman, W.**, Muralidharan, V., & Ishtiaque, M. (2025, February 19). How to secure an industry internship as a graduate student? Invited panel at the Graduate Student Internship Strategies Session, Graduate College, Iowa State University.

Afful, J., **Bouwman, W.**, Hubbard, S., Rezende Rodrigues, A., Schmidt, J., & Overla, A. (2024, Fall). Graduate Student Life. Invited panel discussion facilitated by **Wren Bouwman** at the Graduate Student Orientation, Iowa State University.

## TRAININGS AND CERTIFICATES

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- **Summer Institute for Digital Inquiry: Computational Methods for Grad Students (May 2025)**, Iowa State University Library Digital Scholarship and Initiatives
- **Human Subject Research training (Completed 2020)**, CITI Program

## AWARDS AND ACCOLADES

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- **BEESSST AWARD– manuscript discussion (2024)**, Earli SIG Writing Research School
- **Teaching Excellence Award (2024)**, Iowa State University Graduate College
- **Freda Huncke Endowment Graduate Teaching Fellow (2022)**, Iowa State University

## SKILLS

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**Applications:** SPSS, R, Praat, Microsoft Office, Microsoft Sharepoint, ArcGIS

**Learning Management Systems:** Canvas, Workday Learning, Brightspace

**Programming Languages:** Python

**Text Analysis:** Voyant, Google Concordancer, AntConc, NLTK

**Project Management:** GitHub

**Languages:** Italian (Elementary proficiency), German (Elementary proficiency)