Curriculum Vitae

Landon Shipley

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PERSONAL PHILOSOPHY

I am interested in science communication to help the public understand scientific knowledge—its facts and its processes. As a member of the Little Shell Tribe of Chippewa Indians, I am particularly interested in how scientific communication and processes can productively work with and within indigenous communities and indigenous research paradigms. And, as a student of philosophy and rhetoric, I also believe that to effectively communicate science entails helping people think about how scientific facts and processes are value-laden and must be consciously and critically integrated into one's worldview.

EDUCATION

M.A. Technical Communication, Texas State University, In-progress
B.S. Biological Sciences - Organismal Biology, Montana State University, 2023
B.A. Philosophy, Montana State University, 2023

Pertinent Courses Taken

Graduate

Foundations of Technical Communication
Power and Ethics in Technical Communication
Foundations in Rhetoric and Composition
Usability Studies
Teaching and Training Tech and Prof Comm
Editing the Professional Communication

Undergraduate

Biology and Other Sciences

Capstone: Origins of Life Research
Evolutionary and Population Genetics
Biometry
Evolution
Biochemistry
General Genetics
General Ecology
General Microbiology
Organic Chemistry I&II
General Chemistry I&II
Animal Physiology
Neurophysiology
Cellular and Molecular Biology
Integrated Physiology
Abnormal Psychology
Developmental Psychology
Introduction to Psychology
Intermediate Statistical Concepts
Survey of Calculus
College Physics I&II

Philosophy

Capstone: Philosophy and Film
Philosophy of Science
Approaches to Epistemology
Philosophy and Technology
History of Philosophy: Modern
Critical Philosophy of Race
Independent Study: Survey of Ethics
History of Philosophy: Ancient & Medieval
Philosophy of Religion
Special Topic: Technologies of Incarceration
Aesthetics and the Arts
Formal and Informal Logic
Existentialism and After
American Pragmatism

Writing, Rhetoric, and Communication
Plant and Animal Rhetorics
Rhetorical Theory in Writing Studies
Intermediate Technical Communication

WORK EXPERIENCE

Instructor, Texas State University English Department, Fall 2025 (Upcoming)
- Will teach first-year writing to college freshman, developing my own syllabus and course materials

Technical Communication Intern, Texas State University, Spring 2025 (Current)
- Design textbook and its figures for technical communication faculty member using Adobe InDesign
- Copy-edit and proof-read for textbook that introduces undergrads to technical communication
- Collaborate with fellow MA students to do designing and editing

Writing Center Coordinator, Texas State University Writing Center, Fall 2024-Current
- Schedule writing center consultants' shifts, workshops, and class tours
- Train new consultants and generally support all consultant staff by providing advice and strategies in writing center

Peer Consultant, Texas State University Writing Center, Fall 2024-Current
- Collaborate one-on-one with various writers at any stage in their writing process on any type of writing
- Give workshops to classes on doing writing, writing style guide manuals, and various academic genres
- Currently am creating a scientific and technical writing workshop with other consultants

Adjunct Instructor, Salish Kootenai College, Fall 2023 & Winter 2024
- Taught introductory biology courses to freshmen
- Developed syllabus, personal lecture notes, exercises, experiments, and evaluation materials for the course's lecture and lab components
- Attended college-wide and department-specific guest lectures on Indigenous pedagogies and various scientific topics

Peer Tutor, Montana State University Writing Center, 2019-2023
- Collaborated one-on-one with writers at every stage of their writing processes with writers from virtually all disciplines and backgrounds on their particular communication needs
- Facilitated writing studios, writing workshops, and group appointments, specializing in working with chemical and environmental engineering students
- Helped directors with tutor education for new tutors during their semester-long weekly meetings
- Read and applied writing center scholarship to daily work as well as special projects

Teaching Assistant, Montana State University Writing Center, Fall 2021 & Fall 2022
- Graded student essays and exam responses for "Intro to Ethics: Good and Evil"
- Collaborated with professor to write exam questions and create evaluation rubrics

Digital Literacy Intern, Montana State University English Department, Fall 2020
- Assessed whether Adobe Illustrator, Spark (now Express), or other software could be used by undergraduate biology lab students to create figures in their lab reports and science essays

- Researched and applied scholarship on rhetorical genre studies to creating biology figures and report for internship

RESEARCH EXPERIENCE

Positions

Research Fellow, Montana State University Writing Center, 2022-2023

- Conducted research on how writing centers can provide writers support alongside but outside writing classrooms for a particular first-year writing class, closely collaborating with the instructor for that class
- Read *The Anti-Racist Writing Workshop* by Felicia Rose Chavez and other composition pedagogy to guide our approaches to tutoring and studio facilitating
- Read scholarly foundations of the "writing studio model" and applied it as a way to provide support to writers in first year writing class

Research Fellow, Montana State University Writing Center, 2021-2022

- Conducted IRB-approved institutional ethnography (IE) on how environmental engineering students learn to communicate, studying the gaps in and problems with this instruction
- Interviewed environmental engineering students, collected results from interview, and wrote an executive summary report of research for writing center administrators and engineering faculty
- Led writing studios for environmental engineering students
- Collaborated with environmental engineering faculty to develop writing prompts that focus on gaps in writing education in engineering, such as using particular genres, writing for specific audiences, creating understandable figures and tables, and more

Lab Member, Wiedenheft Lab, Montana State University 2021

- Continued RNA-editing project and MS2*E. coli* research project
- Became proficient with agarose and SDS-PA gel electrophoresis, electroporation, plate and liquid culturing, extracting phage lysate, collecting and sequencing phage genome, designing and using DNA primers, and many more lab research tools, techniques, and methods
- Attended weeking lab meetings to discuss current lab research and publications in the field, including presenting a powerpoint on my findings and progress to the lab

Microbiology of Low-Oxygen Ecosystems, Research Experience for Undergraduates, Montana State University, Summer 2021

- Researched in Wiedenheft lab, worked on a project to use a CRISPR-based tool to edit the single-strand RNA genome of the bacteriophage MS2 under the guidance of lab post-doctorates and principal investigator
- Picked up additional research question due an unexpected result of MS2 infecting *E. coli*
- Presented project findings via a poster at a symposium and a full-scale research paper to REU program directors
- Attended lectures and workshops by leading scientists at Montana State University

Presentations

Panel, "Promoting Student Development by Creating Safe and Welcoming Spaces" with Lauren Brentnell and Austen Guzman at Student Academic Support Programs Conference, February 2025.

Panel, “Creating a Model for Inclusive Discussions in Online Discourses” with Lauren Brentnell, Sarah Hart-Micke, and Austen Guzman, at Global Society Of Online Literacy Educators, February 2025.

Panel, “‘Knowing Our Stuff’: Developing Concrete, Value-Based Tools for Meeting Writers’ Needs” with Jess Carroll, Maeve Daley, Erin Strickland, and Lauren Warrenfeltz, at National Conference on Peer Tutoring in Writing, October 2022.

Lecture, “A Primer on Technical, Scientific, and Engineering Communication” with Avery Amende and Abby Bernard, at Sigma Phi Epsilon Fraternity, March 2022.

Poster, “ssRNA Genome Engineering with CRISPR to Make MS2 Virus Glow,” at Microbiology of Low-Oxygen Ecosystems poster symposium, July 2021.

EXTRACURRICULARS

- Hiring committee, Texas State University Writing Center, 2024
- Hiring committee, Montana State University Writing Center, 2023
- Treasurer, Crescent Montana, 2022-2023
- Montana State Swim Club, 2018-2023
- Montana State Triathlon Club, 2018-2020

AWARDS

- Helen Hadley Porter Award, 2023, Montana State University Writing Center
- Emerging Scholars Award, 2022, National Conference on Peer Tutoring in Writing
- MSU College of Letters and Science Travel Grant, 2022, Montana State University English Department