

ALEX CHAND

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EDUCATION

University of Mississippi, Master of Fine Arts expected 5/2026
Course: Creative Writing - Poetry

University of Leeds, Fulbright Postgraduate Award, Master of Arts expected 12/2024
Course: English Literature

Lawrence University, Bachelor of Arts, *summa cum laude* 6/2022
Majors: Physics and English | Minors: Biology and Creative Writing

FELLOWSHIPS AND FUNDING

Sarahfest Artist Residency, Sarah Isom Center for Women and Gender Studies, 11/2024
University of Mississippi

The Centre for Practice Research in the Arts (CePRA) Grant, University of Leeds 1/2024

Graduate Teaching Assistantship, University of Mississippi 8/2023-Current

Make the Change Commission, Bradford Producing Hub 7/2023

Fulbright-University of Leeds Postgraduate Award, US-UK Fulbright Commission 9/2022-7/2023

Schwallie Family Scholarship, Organization for Autism Research 8/2021

John and Mary Poulson Student Development Fund, Lawrence University 5/2021

AWARDS AND PRIZES

Longlist, National Poetry Competition, Poetry Society UK 3/2024

First Runners-Up, University of Leeds UniSlam Team, UniSlam UK 3/2023

Finalist, William S. Robe Playwriting Residency, Sound Theatre Company 8/2022

Diderrich Prize in Creative Writing, Lawrence University 5/2022

Hicks Prize in Poetry, Lawrence University 5/2022

Tichenor Prize in English, Lawrence University 5/2022

Alexander Wiley Prize, Lawrence University 5/2022

The Student Life Award, Lawrence University 5/2022

Letterwinner Award, Lawrence University 5/2022

Diversity and Inclusion Champion, Lawrence University Office of Diversity and Inclusion 5/2022

Alexander J. Reid Prize in English, Lawrence University 5/2021

Student Organization Diversity and Inclusion Champion, Lawrence University Disability Working Group,
Lawrence University Office of Diversity and Inclusion 5/2021

Lawrence University Dean's List 6/2019, 6/2020, 6/2021, 6/2022

Academic All-Midwest Conference, Midwest Conference 6/2018

PUBLICATIONS

Chand, Alex. "Frog and Toad Are Friends" and "N-body problem set-up." 11/2024
The Offing, Back of the Envelope, edited by Chaelee Dalton

Chand, Alex. "Beach" and "September 12th, 2001." 9/2024
To Be Languaged Thus: Barbican Young Poets Anthology 2022-23, edited by Jacob Sam-LaRose, flipped eye

Chand, Alex. "the poet seeks asylum." 5/2022
The Common Language Project: Passages, edited by Tarfia Faizullah, et al., *The Writer's Garret*, p. 16

Alspaugh G., Roarke B., **Chand A.**, Penjweini R., Andreoni A., Knutson J.R. 5/2021
Developing Analysis Protocols for Monitoring Intracellular Oxygenation Using Fluorescence Lifetime Imaging of Myoglobin-mCherry. In: Brzostowski J., Sohn H. (eds) *Confocal Microscopy*. Methods in Molecular Biology, vol 2304. Humana, New York, NY. https://doi.org/10.1007/978-1-0716-1402-0_17.

Rozhin Penjweini, Greg Alspaugh, Branden Roarke, **Alexandra Chand**, Jay R. Knutson, 5/2020
"Optimization of analysis protocol and probe expression for monitoring intracellular oxygenation using fluorescence lifetime imaging of myoglobin-mCherry (Conference Presentation)," Proc. SPIE 11244, Multiphoton Microscopy in the Biomedical Sciences XX, 112441T; <https://doi.org/10.1117/12.2550660>.

SELECTED RESEARCH PRESENTATIONS

Chand, Alex; Adler, Zoe; Jankowski, Maria; Limon, Eileen; Maier, Jojo. 6/2024
Disrupting academic norms, dismantling hierarchies, and building intersectional communities through the Lawrence University Disability Working Group (LUDWiG). Video presented at: Anarchy and Activism — Disrupting Disability Conference; White Rose Disability Network, University of Leeds, Leeds, UK.

Chand, Alex. 'In the Under-World': Excavating the Silenced, Feral Other in *humanimal* 4/2024
Conference paper presented at: F[r]iction Graduate English Association Conference 2024; Department of English, University of Toronto, Toronto, CA.

Chand, Alex. A Matrix of Fluid Digits: Excavating Frames of Cognitive Difference in *humanimal* 6/2023
Conference paper presented at: MA Research Conference; School of English, University of Leeds, Leeds, UK.

Chand, Alex. Wind, Rain, and Thunder: Black Reconstruction and the Creative Voice of Thomas Wiggins 5/2022
in *Olio*. Conference paper presented at: Harrison Symposium; Lawrence University, Appleton, WI, USA

Chand, Alex. Diffusion Estimation: Creating a Package in Julia to Simulate Diffusion. 3/2022
Powerpoint presented at: Physics Capstone Presentations; Lawrence University, Appleton, WI, USA.

Chand, A., Kim, T.S. 8/2021
Signal Optimization of an Electro-Optic Modulator in a Circular-Ranging OCT Light Source. PowerPoint presented at: Summer Institute for Biomedical Optics; Wellman Center for Photomedicine, Virtual.

Chand, A., Penjweini, R., Alspaugh, G., Roarke, B., Knutson, J. 8/2019
Developing Analysis Protocol for Monitoring Intracellular Oxygenation Using Fluorescence Lifetime Imaging of Myoglobin-mCherry. Poster presented at: Office of Intramural Training and Education Summer Poster Day; National Institutes of Health, Bethesda, MD, USA.

SELECTED READINGS, PERFORMANCES AND WORKSHOPS

Chand, Alex. Imagining *Avonte Oquendo*. Scratch Night; Leeds Playhouse, Leeds, UK 6/2023

Chand, Alex. Physics and Poetry Workshop. Barbican Young Poets; The Barbican Centre, London, UK 5/2023

Chand, Alex. Barbican Young Poets Reading. Barbican Young Poets; The Barbican Centre, London, UK 5/2023

Chand, Alex. Poetry reading. Dark Moon Poetry and Arts; Deep Vellum Books, Dallas, TX 3/2017

Chand, Alex. Love to Live. Young Playwrights Festival; Walden Theatre, Louisville, KY 5/2011

LEADERSHIP AND TEACHING EXPERIENCE

- Graduate Instructor of Record** 8/2024-Current
- Served as a graduate instructor-of-record for [Writing 101](#), a semester-long first year writing and composition course
 - Wrote a syllabus, developed assignments, planned class activities and workshops
 - Reviewed content from required course modules, facilitated a seminar class model, mentored students individually and in small tutorial groups, and strengthened students' close reading and writing skills twice per week
 - Delivered feedback and marked all assessments throughout the semester
- Graduate Teaching Assistant** 8/2023-5/2024
- Taught three weekly 50-minute discussion sections for 200-level English courses each semester, including [Eng 225](#) (British Literature to 1800) and [Eng 222](#) (World Literature after 1650)
 - Wrote syllabuses, developed assignments, planned weekly activities and workshops
 - Reviewed content from lectures, met with students and strengthened students' close reading and writing skills once per week
 - Marked summative assessments two or more times per semester
- Yalobusha Review, Poetry Reader** 8/2023-Current
- Read poetry submissions and attended editorial meetings twice per semester
- Wayward Literature Magazine, Poetry Reviewer** 11/2022-11/2023
- Offered personalized submission feedback, attended board meetings, and contributed ideas toward the magazine's development twice per year
- Lawrence University Disability Working Group, Chair and Founder** 8/2020-6/2022
- Piloted the creation of and co-wrote a successful grant proposal for an introductory Disability Studies course
 - Collaborated and liaised with key contacts in university administration to address physical accessibility issues on campus, both in-person and face-to-face
 - Facilitated bi-monthly roundtable meetings with students and staff
 - Secured \$2390 in funding, organized, and led the 2021 LUDWiG Summer Leadership Summit over Google Meets and Discord
 - Organized and led weekly meetings, and campus-wide events about disability and intersectionality for undergraduates, in both virtual and hybrid formats
 - Developed and delivered an interactive workshop over Zoom on Disability Policy and Advocacy for MLK Day
 - Mentored undergraduate students with disabilities
- Christian Fellowship Small Group Leader** 9/2019-3/2022
- Led weekly women's small group bible studies from 2019-21 on the Psalms and Women in the Bible, both in-person and over Zoom
 - Co-led an outreach bible study on Mark in person
- Writing and Content Tutor** 9/2018-6/2022
- Nominated by English faculty to tutor Lawrence University students in expository writing
 - Facilitated in-class writing workshops for first-year studies students when requested by faculty
 - Served as a tutor for first-year studies, English literature courses, and introductory biology courses
- BioCore Leader** 9/2018-6/2019
- Led students in introductory biology courses through activities to reinforce concepts, vocabulary, and study skills
 - Planned activities and workshops to deliver to students each week
- Triangle Art and Literary Magazine, Emma Willard School** 9/2013-6/2016
- Developed content for an online platform, offered submission feedback, led board meetings, and published the print issue in May as literary editor during the 2015-16 school year
- Volunteer, Trinity United Presbyterian Church** 6/2014-8/2014; 6/2015-8/2015

- Camp counselor for Vacation Bible School and Gopher Gulch
- First and second-grade Sunday school assistant teacher

MEMBERSHIPS

American Physical Society	1/2020-Current
Association of Writers and Writing Programs	7/2021-Current
Barbican Young Poets	10/2022-5/2023
Bradford Producing Hub Empowered Program	11/2022-5/2023
Disability Services Student Panel, University of Leeds	10/2022-5/2024
Reading Group, Center for Excellence in Teaching and Learning, University of Mississippi	1/2024-Current
Lawrence University Community Council, External Special Projects Coordinator	3/2021-3/2022
Lawrence University Financial Planning Committee, Student Representative	10/2020-6/2022
Lawrence University Varsity Cross Country and Track, PRs: 5:22 mile and 23:23 6k (xc)	9/2017-6/2022
Lawrence University Womxn in Physics	9/2017-6/2022
Modern Language Association	12/2020-Current
National Council of Teachers of English	2/2024-Current
New Play Exchange	3/2022-Current
Playwrights' Center	3/2022-Current
Sigma Pi Sigma, Physics Honor Society	5/2022-Current
UniSlam Team, Leeds University Union Spoken Word Society	2/2023-3/2023

SELECTED COURSE WRITING

MA Research Project | Supervisor: Professor Amelia DeFalco 3/2023-9/2024

- Maintained a reading list, research notebook, and research/writing schedule
- Drafted an article review and annotated bibliography centered on Bhanu Kapil's *humanimal*
- Wrote two abstracts and presented two conference papers based on the project

Charting Autistic Voices | Advisor: Dr Melissa Range 6/2020-6/2022

- Created a reading list and syllabus for an independent study on the representation of autism in literature
- Wrote a 170-page hybrid critical-creative piece that explores autistic language and voice through a sequence of poems, essays, and a one-act play
- Abstract [link]: <https://lux.lawrence.edu/luhp/167>

Additional Course Writing

- Subversive Bodily Acts III. (poetry sequence) 12/2023
- I will just run and run and run and run and run: Locating Mene's sense of self in Sozaboy (essay) 8/2023
- Records, Bullets, and Plastic Water Cannons: Linton Kwesi Johnson's Use of Material Fragments and the Contemporary Bitstream (essay) 6/2023
- ?Chaos or Coffins: Spinning Thread, or, Reading the Gendered Mind in Pulter (essay) 1/2023
- Subversive Bodily Acts IV. (poetry sequence) 1/2023
- Museum of Gen Z Origins (poetry sequence) 5/2021
- To the iTaukei. Love, the Indo-Fijian (digital exhibit-presentation with audio and poetry) 11/2020
- Dissecting the Brain Image in Dickinson (hybrid critical-creative nonfiction essay and golden shovel poem) 5/2020
- Letters, Love, and Alchemy in John Donne's 'Valediction: of the Book' (essay) 11/2019
- Simulating Anomalous Diffusion in Julia: Determining the Effects of Boundary Conditions on Membrane Diffusion for a Membrane Skeleton Picket Fence Model 6/2022
- Evaluating Quantum Entanglement and Single-Photon Interference Using Mach-Zehnder Interferometry 3/2022

- Simulating the Precession of Mercury in Python: Determining the Effects of General Relativity 2/2021 and Jupiter on Precession Rate
- Levetiracetam as an Inhibitor for Synaptic Vesicle Protein SV2A and Synaptotagmin 1 co-trafficking 11/2020
- Bipolar Junction Transistors as Common Emitter Amplifiers: Determining the Effects of Emitter Resistance and Bypass Capacitors on Voltage Gain 10/2018

RELEVANT COURSEWORK

British Writers II	Graduate Creative Nonfiction Workshop
Postcolonial Writers	Form, Craft, and Influence: Fiction
The Roman Novel	Studies in World Literature
Creative Writing: Non-fiction	Introduction to Queer Theory
Creative Writing: Poetry	Introduction to Graduate Studies (English)
Donne and the Metaphysicals	Teaching First-year Composition
Samuel Richardson's Clarissa	Applied Microscopy Analysis
Dickinson	Biochemistry I and II
Toni Morrison	Cell Biology
Advanced Creative Writing: Poetry	Organic Chemistry I and II
Independent Study-Autism Poetics	Differential Equations with Linear Algebra
Independent Study-Representing Autism	Intro to Biomedical Ethics
Independent Study-Charting Autistic Voices	Physical Electronics
Topics in Playwriting: Human Rights and Social Justice	Computational Mechanics
Writing, Archives, Race	Electricity and Magnetism
Writing Identities	Quantum Mechanics
Caribbean and Black British Writers	Thermal Physics
Africas of the Mind	Advanced Laboratory (Physics)
Graduate Poetry Workshop	Optics
	Social Psychology

ADDITIONAL SKILLS AND EXPERIENCE

Non-university programs and workshops

Barbican Young Poets, The Barbican Centre	10/2022-5/2023
Topics in Playwriting: Human Rights and Social Justice, The Playwrights' Center	1/2022-5/2022
Writing in the Face of Fear, Goodman Theatre	7/2021
Autistic Self-Advocacy Network Campus Inclusion Summit, ASAN	7/2020
Community and Mentorship Program, The Writer's Garret	1/2017-5/2017

Programming Languages

IDL (beginner), Julia (intermediate), Python (beginner), R (intermediate)

Software, Databases, and Citations

APA, ChemDraw, Discord, Excel, EBSCO, Google Meets, JSTOR, ImageJ, Kaleidagraph, LaTeX/Overleaf, Mathematica, MHRA, MLA, PowerPoint, PyMOL, SciFinder, Scrivener, Slack, Microsoft Teams

SELECTED UNDERGRADUATE RESEARCH

Department of Physics, Lawrence University, Physics Capstone 9/2021-6/2022

Advisor: Dr Douglas Martin

- Objective: Programmed independently in Julia to continue developing a package that simulates anomalous diffusion in cell membranes, including hop diffusion and the calculation of mean-squared displacements

**Wellman Centre for Photomedicine, Harvard-MIT Health Sciences and Technology,
HST-Wellman Summer Institute for Biomedical Optics**

6/2021-8/2021

Advisor: Dr Tae Shik Kim

- Translated simulation code for the radio frequency signal in an electro-optic modulator in an OCT light source from MATLAB to Python and attended lectures and workshops twice weekly on topics relevant to biomedical optics
- Accepted and committed in 2020; cancelled due to COVID

Department of Physics, University of New Mexico, Research Experience for Undergraduates 6/2021-8/2021

Advisor: Dr Keith Lidke

- Objective: Programmed independently using Julia to develop a package that simulates suppressed diffusion in cell membranes based on a protein-picket fence model

National Institutes of Health, C-SOAR (College Summer Opportunities to Advance Research) 6/2019-8/2019

Advisors: Drs Jay Knutson and Rozhin Penjweini

- Objective: developed analysis protocol for monitoring intracellular pO₂ using multiphoton microscopy configured for FLIM-FRET with FRET probe Myoglobin-mCherry
- Collected Myoglobin-mCherry fluorescence lifetime data using multiphoton confocal microscopy configured for FLIM-FRET, compiled and read literature to develop analysis protocol, co-wrote book chapter on analysis protocol in APA format, participated in a proteomics journal club and weekly workshops on keeping a lab notebook, reading a journal article, etc. with other C-SOAR interns.

SPECIAL INTERESTS

Track and Field, Origami, Cello, Music Composition