

LEAH FREDERICK

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ACADEMIC APPOINTMENTS

University of Colorado Boulder, College of Music

Assistant Professor of Music Theory

2024–present

University of Michigan, School of Music, Theatre & Dance

Assistant Professor of Music (Music Theory)

2022–2024

Oberlin College & Conservatory

Visiting Assistant Professor of Music Theory and Aural Skills

2020–22

Visiting Instructor of Music Theory and Aural Skills

2019–20

Indiana University, Jacobs School of Music

Associate Instructor of Music Theory

2015–19

EDUCATION

Indiana University, Jacobs School of Music

2020

Ph.D. in Music Theory

Dissertation: “Generic (Mod-7) Geometric and Transformational Approaches to Voice Leading in Tonal Music” (Research Director: Julian Hook)

Minors: Viola Performance (Principal Teacher: Atar Arad) & Music History and Literature

The Pennsylvania State University

2015

B.S. in Mathematics & B.M.A. in Viola Performance

With Highest Distinction and With Honors in Music Theory, Schreyer Honors College

PUBLICATIONS

“Violin Fingerboard Space: Intervallic Mappings from Instrumental Space to Pitch Space,” *Journal of Music Theory* 68, no. 2 (forthcoming).

“Diatonic Voice-Leading Transformations,” *Music Theory Spectrum* 46, no. 1 (2024).

Review of *Organized Time: Rhythm, Tonality, and Form* by Jason Yust, *Music Theory Online* 26, no. 4 (2020).

“Generic (Mod-7) Voice-Leading Spaces,” *Journal of Music Theory* 63, no. 2 (2019).

“A ‘Design of Exchange’ in George Rochberg’s Sonata for Viola and Piano (1979),” *Journal of the American Viola Society* 35, no. 1 (2019).

CONFERENCE PRESENTATIONS

“Making Connections: Knowledge Organization and Its Implications for Analysis”

Pedagogy Into Practice: Teaching Music Theory In the 21st Century, Norman, OK, May 2024

“Geometry and Fingerboard Shapes: Voice Leading in the Instrumental Space of the Violin”

Society for Music Theory 46th Annual Meeting, Denver, CO, November 2023

Music Theory Midwest Annual Meeting, Winnipeg, MB, May 2023

“Violin Fingerboard Space”

Society for Music Theory 45th Annual Meeting, New Orleans, LA, November 2022

Music Theory Midwest Annual Meeting, Lawrence, KS, May 2022

“Generic (Mod-7) Approaches to Chromatic Voice Leading”

Society for Music Theory 43rd Annual Meeting, Virtual Conference, November 2020

Music Theory Midwest Annual Meeting, Virtual Conference, July 2020

“Diatonic Voice-Leading Transformations”

Society for Music Theory 41st Annual Meeting, San Antonio, TX, November 2018

Music Theory Midwest Annual Meeting, London, Ontario, May 2018

Awarded the 2018 Arthur J. Komar Student Paper Award

“The ‘Design of Exchange’: Analyzing the Performers’ Dialogue in George Rochberg’s Sonata for Viola and Piano (1979)”

American Viola Society Festival, Los Angeles, CA, June 2018

“Generic (Mod-7) Voice-Leading Spaces”

Society for Music Theory 40th Annual Meeting, Arlington, VA, November 2017

Music Theory Midwest Annual Meeting, Iowa City, IA, May 2017

Music Theory Society of the Mid-Atlantic Annual Meeting, Washington, DC, March 2017

TEACHING EXPERIENCE

University of Colorado Boulder, College of Music

2024–present

Assistant Professor of Music Theory

Semester 2 Theory, Fall 2024

Semester 3 Theory, Spring 2025

Topics in Music Analysis: “The String Quartet,” Fall 2024

Pedagogy of Music Theory, Spring 2025

University of Michigan, School of Music, Theatre & Dance

2022–24

Assistant Professor of Music (Music Theory)

Basic Musicianship: Writing Skills II, Winter 2023

Basic Musicianship: Writing Skills III, Fall 2023

Basic Musicianship: Writing Skills IV, Winter 2023, Winter 2024

Survey of Sophomore Theory: Writing Skills, Fall 2022, Fall 2023

Teaching Tonal Theory, Fall 2023

Special Topics: “An Analytical Lens on the String Quartet,” Winter 2024

Faculty Engineering/Arts Student Team, Winter 2023, Fall 2023

TEACHING EXPERIENCE (CONTINUED)

Oberlin College & Conservatory 2019–22

Visiting Assistant Professor / Visiting Instructor of Music Theory and Aural Skills

Introduction to Music Theory – Redesigned Curriculum, Spring 2022
 Music Theory I – Redesigned Curriculum (2 sections), Fall 2021, Spring 2022
 Music Theory I – Traditional Curriculum, Fall 2019, Fall 2020 (2 sections), Spring 2021
 Aural Skills I (2 sections), Fall 2020, Fall 2021
 Aural Skills II (4 sections), Spring 2021
 Aural Skills IV (2 sections), Spring 2020
 General Music Theory (2 sections), Fall 2019, Spring 2020

Indiana University, Jacobs School of Music 2015–19

Associate Instructor of Music Theory

Independent instructor; lectured daily (5 hrs/week) and created course materials

Honors Music Theory and Literature III, Fall 2018
 Honors Music Theory and Literature IV, Spring 2019

Co-taught with supervisor; lectured 1–2 hours per week

Music Theory and Literature V, Summer 2016, 2019

Instructor of two drill sections (4 hrs/week) in coordination with faculty-led lectures

Music Theory and Literature I, Fall 2015
 Music Theory and Literature II, Spring 2016
 Music Theory and Literature III, Fall 2016, 2017
 Music Theory and Literature IV, Spring 2017
 Musical Skills I, Spring 2018
 Aural Theory Review for Graduate Students, Summer 2017

INVITED TALK, PANEL, & SEMINARS

Seminar discussion of my paper, “Diatonic Voice-Leading Transformations,” October 2024

Seminar on transformational theory, invited by Michèle Duguay, Harvard University

Invited Presenter, “Mathematical Encounters in Singapore: A Diderot Legacy,” February 2024

Conference co-hosted by the Institute for Mathematical Sciences and the Yong Siew Toh Conservatory of Music in Singapore

Invited Workshop Speaker, “Before the Campus Visit,” December 2023

Professional Development Workshop, Music Theory Colloquium, Indiana University

Seminar discussion of my paper, “Violin Fingerboard Space,” May 2023

Seminar on “The Musical Interface: Constraint and Creativity,” invited by Andrew Malilay White, University of Chicago

Invited Keynote Panelist, “Curricular Reform in Undergraduate Music Theory,” Music Theory Midwest, 2022

Discussed my participation in the redesign of the undergraduate core curriculum at Oberlin Conservatory

Seminar discussion of my article, “Generic (Mod-7) Voice-Leading Spaces,” December 2020

Graduate seminar on transformational theory, invited by C. Catherine Losada, University of Cincinnati-CCM

HONORS, FELLOWSHIPS, & AWARDS

Finalist, Emerging Scholar Award (Article), Society for Music Theory, 2020

SMT-40 Dissertation Fellowship, Society for Music Theory, 2020

“Fellowships are awarded to research projects that promise to make a significant contribution to the field of music theory”

Dean’s Dissertation Prize, Indiana University, Music Theory Dept., 2020

Awarded to one IU music theory dissertation completed in 2018–2020

Wennerstrom Music Theory Associate Instructor Fellowship, Indiana University, Music Theory Dept., 2019

Awarded to one doctoral student each year for “outstanding achievement” teaching music theory at Indiana University

Arthur J. Komar Student Paper Award, Music Theory Midwest, 2018

Graduate and Professional Student Government Travel Award, Indiana University, 2018

Jacobs School of Music Doctoral Fellowship, Indiana University, 2015–20

SERVICE

PROFESSIONAL SERVICE

Arthur J. Komar Award Committee, Music Theory Midwest, 2024

Member, Fundraising and Development Committee, Society for Music Theory, 2024–26

Editorial Board Member, *Intégral*, 2024–28

Editorial Board Member, *Theory and Practice*, 2024–27

Editorial Board Member, *SMT-Pod*, 2024–26

Editorial Board Member, *Music Theory Online*, 2022–25

Member-at-Large, Executive Board, Society for Mathematics and Computation in Music, 2023–27

Co-Chair, Mathematics of Music Interest Group, Society for Music Theory, 2020–23

Article Referee, *Music Theory Spectrum*, 2023

Nominations Committee, Music Theory Midwest, 2022–23

Article Referee, *Journal of Mathematics and Music* (×2), 2020, 2021

Article Referee, *Journal of Music Theory*, 2021

Program Committee, Music Theory Midwest, 2019

Session Chair, IU Graduate Theory Association Symposium, February 2017, 2019

Copyeditor, *Indiana Theory Review*, 2018–19

Editor, *Indiana Theory Review*, Vol. 32–34, 2016–18

Program Committee, IU Graduate Theory Association Symposium, February 2016, 2017, 2018

UNIVERSITY SERVICE: UNIVERSITY OF COLORADO BOULDER

Colloquium Organizer, Music Theory and Musicology Departments, 2024–25

UNIVERSITY SERVICE: UNIVERSITY OF MICHIGAN

Colloquium Committee, Music Theory Department, 2023–24

Graduate Admissions Committee, Music Theory Department, 2024

Undergraduate Admissions Committee, Music Theory Department, 2022, 2023

Concerto Competition Judging Panel, School of Music, Theatre & Dance, 2023

Secretary, Music Theory Department, 2022–23