

Natalia Quintanilla Cabrera

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EDUCATION

University of Washington — Seattle, WA

Digital Arts & Experimental Media (DXARTS) Ph.D., Expected June 2029

University of Michigan School of Music, Theater & Dance — Ann Arbor, MI

Master in Media Arts — Performing Arts Technology Department May 2025

Master Thesis: “Electroacoustic Music for a Hybrid Audio Diffusion System”

Centro de Investigación y Estudios de la Música (CIEM) — Mexico City, MX

Licentiate in Music Theory (LMusLCM Theory of Music), with distinction

Professional Associated in Music Composition (ALCM), with distinction July 2017

- Degrees conferred by the London College of Music, University of West London

GRANTS & AWARDS

Gold Award, November 2025: *Abejas* | Fixed media for HOA (2023). Student 3D Audio Production Competition— Contemporary Music / Computer Music category. Düsseldorf, Germany.

Top Scholar Award, September 2025: Funded through the University of Washington Graduate School.

Graduate Student Arts Research Grant (GSARG), November 2024: Awarded to support master thesis project *Inward Voices, Outward Struggles*— exploring gender based violence in Mexico through electroacoustic composition using a hybrid diffusion system (HADS), University of Michigan

Rackham Graduate Student Research Grant, August 2024: Awarded to support master thesis project, University of Michigan

PUBLICATIONS / CONFERENCE PRESENTATIONS

Short Paper, May 2025: [disonancia: An Electroacoustic Music Composition for a Hybrid Audio Diffusion System](#). Compositional approaches and spatial audio techniques using a hybrid diffusion system

- International Computer Music Conference ICMC proceedings (peer-reviewed), Boston, USA.

Published Scores, 2025: Valley Winds Publishing, Pioneer Valley, Massachusetts, USA

- [Intento de Mambo](#) (2024) | for wind ensemble; commissioned by Hopkins Center for the Arts at Dartmouth
- [Reencuentro](#) (2024) | for wind ensemble

Published Score, 2017: *Wormhole* (2016) | for woodwind quintet; published in the compendium of new woodwind quintet pieces [Puentes Hacia el Futuro, 7 pieces for woodwind quintet](#), by BlancaNegra Editions and funded by Mexico's National Fund for Culture and the Arts (FONCA)

- Selected by the Mexico City Woodwind Quintet (QACM)

SELECTED PERFORMANCES AND FESTIVALS

- **ORF musikprotokoll**, November 2025: *Abejas* | fixed-media HOA; Student 3D Audio Production Competition ([winner](#))
Dom im Berg, Graz, Austria; Tonmeistertagung, Düsseldorf, Germany
- **The Acousmatic Project** —[Echoes Around Me 2025 Illusionary Listening](#), September 2025: *interrumpido y fragmentado* (2024) | for a Hybrid Audio Diffusion System (HADS)
Funkhaus Wien, Vienna, Austria
- **SPAM New Media Festival**, September 2025: *menos que nada* (2024), *un futuro* (2025) | performance for accordion, voice & live electronics.
Georgetown Steam Plant, Seattle, WA
- **International Computer Music Conference**, May 2025: *disonancia* (2025) | fixed-media HOA; peer-reviewed selection.
Boston, MA

- **Wind Ensemble Performance**, November 2024: *Intento de Mambo* (2024) | for wind ensemble; performed by The Valley Winds Ensemble. Sweeney/Sage Hall at Smith College, Boston, MA
- **Spaceout: An Ambisonics Concert**, October 2024: *Abejas*, HOA University of Michigan, Ann Arbor, MI
- **Invited Performance at University of Michigan President's Residence**, September 2024: *Volviendo de un sueño* (2024) | voice, accordion & live electronics with wearable IMU. Ann Arbor, MI
- **Wind Ensemble Performance— [Creating Space](#)** May 2024: *Intento de Mambo* (2024); performed by Dartmouth College Wind Ensemble. Dartmouth College, Hanover, NH
- **Festival IZIS**, October 2023: *Abejas* | HOA Skladišče Libertas, Koper, Slovenia
- **Ars Electronica**, September 2023: *Abejas* | HOA Linz, Austria
- **Everyday is Spatial 2**, June 2023: *Abejas* | HOA Spatial Audio Conference, University of Gloucestershire, UK.
- **Wind Ensemble Performance— [MusicMexico 2023 Symposium](#)**, May 2023: *Reencuentro* (2024); performed at the Moores School of Music, University of Houston, Houston, TX.
- **40.4 Festival**, March 2023: *Abejas* | HOA B2 Center for Media, Arts, and Performance, University of Colorado Boulder
- **MOXsonic— The Missouri Experimental Sonic Arts Festival**, March 2023: *Ahora soy un axolotl* (2022) | Fixed Media
- **Mexico City Woodwind Quintet (QACM)**, June 2016: *Wormhole* (2016); performed at Fonoteca Nacional and Biblioteca José Vasconcelos. Mexico City, MX

MUSIC TECHNOLOGY EXPERIENCE

Sound Designer & Audio Technologist, [Beethoven: A Multisensory Experience](#) — immersive interactive exhibition.

New England Conservatory, Boston, MA, September 2025; in collaboration with the Kresge Hearing Research Institute, University of Michigan.

- Developed **hearing-loss simulations** for a VR installation and public listening stations, modeling aspects of Beethoven's (known) auditory perception. Designed ambisonic spatial audio experiences and created soundscapes for multiple exhibition zones.

Sound Designer & Media Artist, [Zap!](#)—multimedia interactive installation.

SMART Lab (Sound Media Art Lab), University of Michigan, November 2024.

- Exhibited at Duderstadt Gallery & FEAST (Faculty Engineering/Arts Student Teams) Exhibition

Sound Designer & Recording Engineer, [Ni Una Más](#) — multimedia production addressing gender-based violence.

Institute for Research on Women & Gender (IRWG), University of Michigan, March 2024.

Score & Recording Engineer Assistant, *The Lady of Silence: Mataviejas Murders* | crime documentary series (Netflix Production).

Mexico City, March 2023.

RELEVANT SKILLS

Electroacoustic & Computer Music: Fixed media, live electronics, multichannel & Ambisonics; SuperCollider, Max/MSP.

Audio Production: Logic Pro X, REAPER; recording, editing, mixing, mastering; Dante.

Visual & Media Arts: DaVinci Resolve, TouchDesigner, Blender, Metashape, Processing; photogrammetry, video editing, animation.

Immersive & Interactive Media: Motion capture (Qualisys), sensor-based instruments, IMU integration.

Composition: Sibelius; acoustic and mixed-media scoring.

Performance: Piano, synthesizer, accordion, jarana, requinto, voice.