

Carlos Camilo Mauro Gálvez

Boston/Cambridge, MA

Internationally recognized composer, software developer, and researcher. Specialized in contemporary music composition/improvisation and, development of music notation technologies. Bilingual.

EDUCATION

Tufts University, Medford, MA

Master of Arts, Music Composition, May 2025

Thesis: On Creative Workflow Optimization and Implications for Accessibility: Software Tools for Music Composers and Improvisers

Berklee College of Music, Boston, MA

Bachelor of Music, Music Theory and Composition, December 2021

Principal Instrument: Classical Guitar

Minor: Contemporary Conducting

RESEARCH INTEREST STATEMENT

My research explores how artificial intelligence can support, rather than replace, artistic agency in music creation. I focus on developing tools that optimize creative workflows for composers and improvisers, with an emphasis on AI-assisted music notation, computer vision for performance transcription, and human-centered design in music industry applications.

PATENTS AND RESEARCH

Carlos Mauro. *System and Method for deterministically parsing graphics into music notation.*
U.S. Patent Application 63/748,157. Filed January 22, 2025.

Carlos Mauro. *System and Method for distinguishing independent musical parts played simultaneously on a keyboard.* U.S. Patent Application 63/728,916. Filed December 6, 2024.

Carlos Mauro. “Xnk and Hands2MIDIChannels: New Software Tools for Composers and Improvisers.”
Proceedings of the International Conference on Technologies for Music Notation and Representation – TENOR’24, Zurich University of the Arts, 2024, pp. 80–88.

FELLOWSHIPS, GRANTS, AND AWARDS

Composition Fellow, Cycle 19th – Gabriela Lena Frank Creative Academy, CA.----- 04/2025 – PRESENT

- Selected for the academy’s flagship program the **Bahlest Eeble Readings**.
- Received a **commission for a new piece** for flute, bass, and percussion.
- **Awarded a full fellowship covering tuition, room, and board.**

(Invited) Composition Fellow – 2025 Chamber Music Conference (CMC), NY.----- 03/2025 – 07/2025

- Invited to **compose a new piece** for Oboe, English Horn, Violin, and Viola.
- Invited to **coach the ensemble** at the July conference at Colgate University, NY.
- **Awarded a full fellowship covering tuition, room, and board.**

Patent Pro-Bono Services – Volunteer Lawyers for the Arts, MA.----- 10/2024

- **Awarded Pro-Bono legal assistance** to file **two preliminary patents** for innovative music notation technologies

Summer Research Grant – Tufts University, MA.----- 04/2024

- **Awarded** by the Music Department for research on music notation and AI software technologies.
- **Awarded a total amount of \$6000.**

Composition Fellow – 2022 *Synthetis Festival, Warsaw (Poland)*.----- 07/2022

- Composed a **new piece** for the *Concept Store Quartet*.
- New work, “*Conciencia Fragmentada y los Asesinos de Silencio*” was **successfully premiered** at the Radziejowice Palace.

Composition MTNA Competition National Finalist – *MTNA, USA*.----- 01/2022

- “*Recuerdos Andinos*” was **national finalist** after winning first place in both, the Massachusetts and Eastern Division’s Music Teachers National Association (MTNA) composition competitions.

Composition Fellow – 2021 *Etchings New Music Festival, USA*.----- 08/2021

- Composed a **new piece** for Clarinet and Cello.
- New work, “*Recuerdos Andinos*” was **successfully premiered** at the Northampton Center for the Arts, MA.

Bill Maloof Award Winner – *Berklee College of Music Composition Department, MA*.----- 04/2021

- Award given by the composition department for **outstanding achievement in music composition**.
- **Awarded a total amount of \$500.**

PROFESSIONAL HISTORY

Owner, CMG Solutions, Cambridge, MA ----- 01/2022 – PRESENT

- Founded this company to provide tailored services in music technology consulting and music notation optimization.
- Research, publish, and patent music notation technologies.

Composer and Improviser, Freelance, Cambridge, MA ----- 01/ 2017 – PRESENT

- Compose contemporary concert music for orchestras, chamber ensembles, and soloists.
- Improviser (Piano, Quenas, Cello, Guitar) in solo and in chamber configurations.
- Member of the American Society of Composers, Authors, and Publishers (ASCAP).

Researcher/Presenter, TENOR Conference, Zurich, Switzerland ----- 01/2024 – 05/2024

- Presented my research on music notation software-based tools.
- Delivered a 20-minute paper presentation.
- Hosted a 2-hour demonstration/poster presentation.
- Published a paper at the conference proceedings.

Artist Assistant, Berta Rojas, Boston/Remote, MA ----- 04/2022 – 03/2024

- Provided music notation services for Berta’s research, artistic, and pedagogical projects.

Orchestra Librarian, Berklee Sinfonietta Orchestra, Boston, MA ----- 08/2021 – 03/2022

Supervisor: *Richard Carrick*

- Proofread composer’s scores in preparation for future recording.
- Guided composers on music notation best practices.

Course Developer Assistant, Berklee Online, Boston, MA ----- 05/2019 – 12/2021

Supervisor: *Boriana Alexiev*

- Created, maintained, and proofread music notation files for state-of-the-art Berklee Online courses in music theory, harmony, and composition.

TEACHING STATEMENT

With experience in both undergraduate classrooms and individualized mentorship, my teaching practice emphasizes clarity, accessibility, and high-performance learning. I have received formal training in inclusive pedagogy, including strategies for identifying at-risk students and supporting equitable engagement. I use state-of-the-art technological resources to present complex musical concepts in intuitive and structured ways, while providing direct, personalized feedback to support each student's growth. My approach is informed by cognitive load theory and aims to foster deep understanding, critical thinking, and creative agency across both technical and artistic domains.

TEACHING EXPERIENCE

Freelance, Remote/Cambridge, MA ----- 08/2020 - PRESENT
Music School Audition and Exams Mentor

- Prepare selected Peruvian students for auditioning to music schools in the United States and Europe.
- Solidify my students understanding of Harmony, Counterpoint, Ear Training, and general musicianship.
- Offer a tailored approach based on student preferences and goals.

Tufts University, Medford, MA

Aniruddh Patel, Psychology, Spring 2025

Teaching Assistant, Music Psychology ----- 01/2025 – 05/2025

- Graded weekly homework submissions for 50 undergraduate students.
- Hosted office hours and provided guidance on interdisciplinary research.
- Kept track of class trends and prepared several graphs.
- Graded Mid-Term and Final Research Papers.
- Gave hour-long lectures on Music Notation and Music Theory topics.

Tufts University, Medford, MA

Stephan Pennington, Music, Fall 2024

Teaching Assistant, History of African American Music ----- 08/2024– 12/2024

- Graded weekly homework submissions for 54 undergraduate students.
- Hosted office hours and provided guidance on musicological research.
- Graded Mid-Term and Final Papers.
- Gave lecture on the rise of Hip-Hop (1985-2000).

Tufts University, Medford, MA

Aniruddh Patel, Psychology, Spring 2024

Teaching Assistant, Music Psychology ----- 01/2024 – 05/2024

- Same as Spring 2025.

Tufts University, Medford, MA

John McCann, Music, Fall 2023

Teaching Assistant, Introduction to Theory and Musicianship ----- 08/2023 – 12/2023

- Graded bi-weekly homework packets for 22 undergraduate students.
- Hosted office hours and provided guidance on basic music theory.

LANGUAGES

English and Spanish.

SKILLS

Music & Notation Software: Finale, Sibelius, MuseScore, MaxMSP, Logic Pro

Design & Media: Adobe Illustrator, Adobe Premiere Pro

Programming Languages: Python, C++, HTML/CSS, Max (Gen~), MATLAB, Next.js

ARTISTIC STATEMENT

My artistic practice explores the intersection of sound, structure, and perception, aiming to evoke novel cognitive and emotional experiences. Drawing from microtonality, spectralism, timbre-driven composition, and free improvisation, I craft works that challenge conventional listening paradigms. The music I write is often demanding to perform—pushing instrumental and interpretive boundaries—but it offers performers and audiences a uniquely rewarding and immersive experience. Through the integration of custom software tools and AI technologies, I seek to expand the expressive capabilities of music, fostering deeper engagement between performer, audience, and the evolving sonic landscape.

SELECTED COMPOSITIONS

Complete portfolio available upon request via email.

A las Gaviotas del Puerto les Gusta Comer Pescado Fresco	(English Horn, Oboe, Viola, Violin)	2025
Tupananchiskama	(Piano)	
The Almighty Hates Mangos.	(Oboe, Piano)	2024
Estudio de Multifónicos.	(Quena)	2023
La Fragmentación, Integración, Alución, y Olvido.	(Piano)	
Tambores de Guerra, Pedidos de Paz, y algo de Romance.	(Large Orchestra)	2022
Conciencia Fragmentada y los Asesinos del Silencio.	(Violin, Bar. Sax., Acc., Bass Dr.)	
The Chaotic Nature of Human Behavior.	(String Quartet)	2021
Recuerdos Andinos.	(Bb Cl., Cello)	
Los Pájaros, el Aire, y las Estructuras Abstractas.	(Flute, Bb Cl., Violin, Cello)	

SELECTED PERFORMANCES OF MY MUSIC

Complete list available upon request via email.

Anecdota (~1'34")	Distler Hall, performed by SoundIcon , Medford, MA	2025
Tupananchiskama (~50")	Distler Hall, performed by the composer , Medford, MA	
The Almighty Hates Mangos (~5')	Rivers School Conservatory, performed by Andrew Ho , Weston, MA	2024
Estudio de Multifónicos (~6')	Distler Hall, performed by the composer , Medford, MA	2023
La Fragmentación... (~7')	Distler Hall, performed by John McDonald , Medford, MA,	
Conciencia Fragmentada... (~6')	Radziejowice Palace, performed by Concept Store Quartet , Warsaw, Poland	2022
Recuerdos Andinos (~10')	Center for the Arts, performed by ECCE Ensemble , Northampton, MA	2021

SELECTED COMPOSITION MASTERCLASSES

2024

Gabriela Lena Frank — GLFCAM, California

2022

Doina Rotaru — Synthetis Festival, Warsaw, Poland

Marc Andre — Synthetis Festival, Warsaw, Poland

Marco Stroppa — Synthetis Festival, Warsaw, Poland

2021

David Rakowski — Etchings New Music Festival, Northampton, MA, USA

Martin Brody — Etchings New Music Festival, Northampton, MA, USA

Trevor Weston — Etchings New Music Festival, Northampton, MA, USA

Emily Koh — Etchings New Music Festival, Northampton, MA, USA

2020

Julia Wolfe — Berklee College of Music, Boston, MA, USA

Richard Carrick — Berklee College of Music, Boston, MA, USA

2019

Tania León — Berklee College of Music, Boston, MA, USA