

# ALBERTO ACQUILINO

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## CURRENT POSITION

**Google LLC**, *Mentor at the Google Summer of Code* 2024-present

**McGill University**, *Lecturer* 2023-present  
Instructor of Music Technology: *Fundamentals of New Media* course

**Global Leaders Institute**, *Arts Technology Director* 2023-present  
Leading the *Music and the AI* course

## EDUCATION

**McGill University, Music Technology Area** Montreal, Canada  
*PhD in Assistive Technologies for Music Pedagogy* 2020-present

- Supervised by Dr Gary Scavone of the Computational Acoustic Modeling Laboratory.
- Teaching assistant for *Introduction to Digital Audio* course; demonstrator for *Hearing Care Platform* project; Best Paper Presentation Award at *CIRMMT, OICRM, BRAMS Symposium 2023*.
- **Selected grant awards:** Tomlinson Fellowship (105,000\$); FRQNT Scholarship (58,000\$).

**Global Leaders Institute** Washington DC, United States  
*Executive Graduate Certificate in Arts and Innovation*, Honours with Distinction 2021-2022

- Curating institutions: McGill University, Harvard University, Duke University, New York University, Georgetown University, Longy School of Music of Bard College, El Sistema USA.
- **Awards:** Innovation Exchange Residency Stakeholder-Prize - Palm Beach, FL.

**Université Savoie Mont Blanc** Chambéry, France  
*MSc in Energy and Sustainable Buildings Engineering*, Honours with Distinction 2017-2018

**Università di Genova** Genoa, Italy  
*MSc in Energy and Nuclear Engineering*, Honours with Distinction 2016-2019

- Selected to represent the University for a research project at ETH Zurich in 2018-2019.
- **Awards:** Vinci Scholarship, Rotary Club Renewable Energy Prize, Erasmus+.

*BSc in Mechanical Engineering*, Honours 2010-2016

**Malmö Academy of Music** Karlskrona, Sweden  
*Blekinge International Brass Academy* 2013

**Conservatory of Music "N. Paganini"** Genoa, Italy  
*MMus in Trumpet Performance*, Honours 2005-2011

**Awards:** 1<sup>st</sup> Prize of the National Trumpet Competition of Santa Margherita Ligure, Italy.

## RELEVANT WORK EXPERIENCE

**ETH Zurich University**, *Research Scientist* Zurich, Switzerland - 2020

**Middle School "Maria Ausiliatrice"**, *Music Teacher* Genoa, Italy - 2015

**Sanremo Symphony Orchestra**, *Musician* Sanremo, Italy - 2014

## SELECTED PUBLICATIONS

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### **A Dataset and Baseline for Automated Assessment of Timbre Quality in Trumpet Sound**

2023

*A Acquilino, N Puranik, I Fujinaga, G Scavone. Proc. of the ISMIR conference 2023.*

### **Detecting efficiency in trumpet sound production: proposed methodology and pedagogical implications.**

2023

*A Acquilino, N Puranik, I Fujinaga, G Scavone. Proc. of the Stockholm Music Acoustic Conference.*

### **Current state & future directions of technologies for music instrument pedagogy.**

2022

*A Acquilino, G Scavone. Frontiers in Psychology, Vol 13.*

### **Carbon dioxide capture, transport and storage supply chains: Optimal economic and environmental performance of infrastructure rollout.**

2022

*V Becattini, P Gabrielli, C Antonini, J Campos, A Acquilino, G Sansavini, M Mazzotti. 15<sup>th</sup> IGGCT.*

### **Optimization of low-carbon multi-energy systems with seasonal geothermal energy storage: The Anergy Grid of ETH Zurich.**

2020

*P Gabrielli, A Acquilino, S Siri, S Bracco, G Sansavini, M Mazzotti. ECM: X, Vol. 8.*

## CO-CURRICULAR EXPERIENCES

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**McGill University, Schulich School of Music:** Co-founder and organizer of the *Tech-Enhanced Music Education International Symposium 2024*; Volunteering at the *International Symposium on Performance Science 2021* and the international event.

**ArtsIT:** Reviewer for the *13th EAI International Conference: ArtsIT, Interactivity and Game Creation*.

**Global Leaders Institute:** Member of the Academic Board since 2023.

**Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT):** Member of the CIRMMT Board and CIRMMT Executive Committee; Chair of the Student Executive Committee; Organizing the CIRMMT, OICRM, BRAMS Student Symposium 2023 and 2024; Organizing the 2022 CIRMMT International conference: "*Le son du future/Le future du son*".

## MUSICAL EXPERIENCES

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**Teaching:** 5+ years music teacher at *Associazione Pro Musica, Filarmonica di Arenzano, Banda di Voltri*; Visiting brass teacher, musician and conductor at El Sistema New Brunswick, Canada 2022.

**Performing:** 10+ years of international experience as a musician; Professional recordings of music albums and singles; Participation in international academies and masterclasses with musicians from the Los Angeles Philharmonic, Philadelphia Orchestra, Chicago Philharmonic, La Scala Opera Theater, Santa Cecilia Symphony Orchestra, Vienna Philharmonic.

**Conducting:** 4 years of experience as music conductor of the *Banda Musicale Città di Voltri* wind ensemble; Orchestra conductor for the visit of Pope Francis to Genoa, 2017.

## RELEVANT SKILLS

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**Computing:** experience with LaTeX, Microsoft Office products for word-processing, reports, spreadsheets; proficiency in range of applications including Python and MATLAB; experience with music software and technologies.

**Languages:** Italian & Ligurian (native speaker), English (professional proficiency), French (B1), German (A2).