# FRANCESCO GANIS

#### PhD Student, Sound & Music Enthusiast

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in francesco-ganis95

**(b)** 0000-0001-8146-1156

Copenhagen, Denmark

I am a PhD student at Aalborg University in Copenhagen, Denmark. I enjoy moving between technical and creative fields, building and prototyping technology. My whole life has been dedicated to music. With a keen eye for detail and a curious mindset, I dive into both collaborative and independent projects, eager to expand my knowledge and skills.

### **EDUCATION**

### PhD, Music Training Tools for Children with Hearing Impairment **Aalborg University**

Sep. 2022 - Ongoing

Copenhagen, DK

Skills learned Research Prototyping Evaluating

- Designing, developing, and evaluating musical training solutions for children with hearing loss, including:
  - vibrotactile feedback prototype
  - o video game with vibrotactile feedback for timbre recognition
  - scalable training tool for sound localization in children
  - o training tool for emotion recognition in children

### Master's Degree, Sound & Music Computing **Aalborg University**

Sep. 2020 - Jun. 2022

Copenhagen, DK

Skills learned | Prototyping

Evaluating | DSP

- Thesis: "Vibrotactile Feedback for Musical Training of Cochlear Implants Users"
- Completed courses in Sound Processing, Embodied Interaction, Music Perception and Cognition, New Interfaces for Musical Expression

### Bachelor's Degree, Electronic Music & Sound Engineering "C. Pollini" Conservatory

Sep. 2016 - Apr. 2020

Padova, IT

Skills learned | Sound Engineering

MAX/MSP

Sound Design

- Graduated with honors
- Thesis: "Continuous Sonification of Autonomous Driving Vehicles with Purposes of Passengers Information and Trust Augmentation"

### **EXPERIENCE**

## **Teaching Assistant**

### **Aalborg University** Sep. 2022 - Ongoing

Copenhagen, DK

Skills learned Mentoring

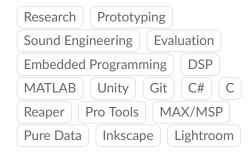
Communication

Supervision

- Assisting students in the Sound Processing course
- Assisting students in the Physical Models for Sound Synthesis course
- Supervision of student projects in Medialogy and Sound & Music Computing programs

### STRENGTHS

#### **Technical Skills**



#### Soft Skills



### OTHER EXPERTISE

Playing Drums	Photography
Driving License	

## LANGUAGES

Italian Mother tongue



**English** 

Advanced (IELTS 7.5)



## **PUBLICATIONS**

### Journal Articles

• F. Ganis, A. Gulli, F. Fontana, and S. Serafin, "The role of haptics in training and games for hearing-impaired individuals: A systematic review," Multimodal Technologies and Interaction, vol. 8, no. 1, p. 1, 2023.

## Student Helper **Aalborg University** Oct. 2021 - Apr. 2022 Copenhagen, DK Skills learned Audio Programming Web Development • Created sound examples in MATLAB for the book Serafin, S., Buxton, B., Gaver, B., & Bly, S. (2022). Auditory interfaces. Focal Press • Developed and maintained websites Internship **Oticon Medical** Öct. 2021 - Jan. 2022 Copenhagen, DK Skills learned | Product Development | Prototyping Evaluation • Development of smartphone cover that provides high-quality vibrotactile feedback to support music listening for individuals with hearing impairment ICT Technician GAMA S.r.l. Dec. 2019 - Jan. 2020 Tavagnacco, IT Skills learned Technical Support Hardware Maintenance • Audio and conferencing systems' installation and maintenance • Assembling and repairing PCs, workstations and small servers Sound Engineer **Various 1** 2017 - 2018 Veneto Region, IT Skills learned | Sound Engineering | Live Electronics • Centro D'Arte & C. Pollini Convervatory - Live Electronics, Sound Enigneering for 11 Channels Sound System • RmS Recording Studio - Boom Operator, Editing Technician • Bluetrain's Studio - FoH Sound Engineer, Live Stage Technician, Live Video Director Internship

Buttrio, IT

• Design and creation of a working prototype of a measurement system

Danieli Automation S.p.A.

Skills learned Prototyping Industrial Design

📋 Jun. 2013 - Jul. 2013

for foundry equipment

#### Conference Proceedings

- F. Ganis, "Tickle tuner-haptic smartphone cover for cochlear implant users' musical training," in HAID 2022, London, UK, Springer Nature, vol. 13417, 2022, p. 14.
- F. Ganis, E. F. Knudsen, S. V. Lyster, R. Otterbein, D. Südholt, and C. Erkut, "Real-time timbre transfer and sound synthesis using ddsp," in SMC 2021, SMC Network, 2021, pp. 175–182.

### **♬** Albums

 M. Finco and R. Scarpa-Meylougan, Six flute sonatas op.1, album, EAN Code: 7.93588412371, Japan, 2018.

## **FURTHER TRAINING**

Masterclass, Live Electronics Chigiana Academy

📋 Jul. 2019

Siena, IT

Masterclass, Symphonic Orchestra Recording

G. A. Fano Institute

📋 Jul. 2018

Spilimbergo, IT

Safety Course, Workers in Medium Risk Environments

I.S.I.S. Arturo Malignani

**J**un. 2013

Udine, IT

Diploma, Music, Theory and Solfège G. Tartini Conservatory

☐ Sep. 2009

Trieste, IT

## **REFEREES**

#### Prof. Stefania Serafin

@ Aalborg University, Copenhagen - DK

**▼** sts@create.aau.dk

#### Prof. Nicola Bernardini

@ Conservatorio di Latina, Latina - IT

■ nicb@sme-ccppd.org

#### Prof. Lone Percy-Smith

@ Righospitalet, Copenhagen - DK

■ lone.percy-smith@regionh.dk