

# Sofia Vallejo Budziszewski

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## Education

### BSc. Audio Engineering

REC Música, Centro de Estudios Musicales

Mexico City, Mexico  
August 2016 - December 2020

### MSc. Sound and Music Computing

Universitat Pompeu Fabra

Barcelona, Spain  
September 2022 - Present

## Technical skills

Languages:	Spanish (native), English (C1), Catalan (A1)
Programming	Python, HTML, Lua, C++
Audio tools	ProTools, LogicPro, Ableton, Reaper, RX
Software	Office, Illustrator, Photoshop, InDesign, Premiere Pro, PureData, Max/MSP

## Lastest projects

### Prototyping a Passive Graphic EQ with Wave Digital Filters

Developing an affordable and efficient prototype for a Passive Graphic Equalizer using Wave Digital Filters in Python, replicating the Langevin EQ225A equalizer

Barcelona, Spain  
April 2023 - June 2023

### Loudsense

Collaborative project between BMAT and the Music Technology Group.

AI system for automatic audibility estimation of background music in audiovisual productions.

Barcelona, Spain  
January 2023 - July 2023

### Groove Estimation Using DNNs

We explored the effectiveness of deep neural networks (DNNs) in accurately estimating the rhythmic quality of music, known as "groove".

Barcelona, Spain  
January 2023 - April 2023

## Work experience & internships

### Intern Researcher

Music Technology Group & BMAT

Research involving the Loudsense project.

Barcelona, Spain  
January 2023 - Present

### Teaching assistant

I've served as a teacher assistant in digital media and signal processing. At REC Musica, Centro de Estudios Musicales, I taught sound design for video games and music-related machine learning. Now, I assist in Signals and Systems I at UPF Barcelona, introducing second-year students to digital signal processing in Computer Engineering, Telematics, and Audiovisual Systems.

Mexico City / Barcelona  
November 2021 - Present

### Recording Studio Assistant

I had the opportunity to work as a recording studio assistant at Topetit Studios and Woodlock Studios. Some of my tasks included: recording assistant, editing assistant, post production assistant, equipment repair

Mexico City, Mexico  
January 2020 - August 2022

### Touring and Stagehand

I was the bass player of local Mexican alt-band Dinnever King from 2016 until 2018. I was able to tour around Mexico as the bass player and then as a stage hand. I've also worked as a roadie, audio assistant and FOH for Mon Laferte, Rose Red Door and Sex and Cherries

Mexico  
January 2017 - August 2022

### Audio Engineer

As a freelance engineer, I've had the opportunity to work with local artists like Rose Red Door, Sex and Cherries, BASICO, Uglyaguacate, Dinnever King, Sex and Cherries, Analog I, among others. I do recording, editing, mixing, mastering and post production.

Worldwide  
January 2017 - Present

## Certifications

### PT101 & PT110

AVID

2019

### IELTS ACADEMIC

IELTS

8.0 overall score (C1)

2021