

## Contact

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(LinkedIn)  
[www.github.com/fde-capu](https://www.github.com/fde-capu)  
(Portfolio)

## Top Skills

Computer Science  
C (Programming Language)  
Creative Concept Design

## Languages

Inglês (Native or Bilingual)  
Português (Native or Bilingual)

## Certifications

SPTW 2019 - Artificial Intelligence &  
Data Science Fundamentals  
Python for Data Science and  
Machine Learning - Complete  
Python 3 Complete - From beginning  
to advanced  
Deep Learning Introduction with  
Python and Keras

# Flávio Carrara De Capua

developer | composer  
São Paulo, São Paulo, Brazil

## Summary

The mesmerizing glow of the cathode ray tubes from the TK3000 Ile screen opened portals to worlds I could craft into game adventures. Later, the transcendent energy of freestyle jam sessions sparked a love for music and its chaotic yet harmonious nature. Nowadays, I am enthusiastic about AI and Machine Learning to optimize innovative solutions, enhance decision-making and improve creator, developer and user experiences. Beyond technical proficiency, I am also interested in exploring the mysteries of human creativity.

Captivated by the convergence of functional logic and art expression, I pursued studies in both realms. I achieved a Bachelor of Music Composition from FASM University in 2006, having composed an international award winning full-orchestra score. More recently, in 2023, I earned an equivalent degree in Computer Science as "Human Coder" from École 42, a world-wide school of excellence focused in C/C++ based on peer reviewing that fosters collectiveness. Currently, I am enrolled in the 42 Advanced specialization program, which covers in-depth a vast spectrum of tech areas.

I enjoy working with others in collaborative environments that encourage learning and knowledge exchange. Willing to continue developing interdisciplinary expertise in various domains and technologies, I welcome the opportunity to join any team, in any area of programming, computation and technology.

I am confident about my blend of technical and creative thinking - plus passion for innovation.

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## Experience

Freelance  
Developer  
April 2017 - Present (7 years 2 months)

As a developer, I undertake a broad spectrum of projects, from low-level system programming, to I/O operations, to network architecture, web applications, data structures, algorithms, reliability, and performance of software.

For instance, I have developed a non-blocking web server with full CGI in C++98 using Unix system calls and implementing the HTTP 1.1 protocol, complying to networking terminology and interfaces. Another project, the ray-tracing, is rather a linear algebra computing research. In advanced projects, I have coded a full stack social network, with real time multiplayer game, and explored high level frameworks.

As study-cases, I have completely rewritten the functions and functionalities of the C standard library and the C++ containers. Also, I have experienced use of multithreading, microservices, Kubernetes, Docker, management and deployment of applications.

## Self-employed

### Composer

April 2017 - Present (7 years 2 months)

\* 'Mars.War' – Symphonic Orchestra, Contemplation on Gilberto Mendes International Competition, 39th Música Nova Festival, Santos Symphony Orchestra, conducted by Maestro Luís Gustavo Petri.

\* 'Padaria Afrovale Interviews' – Generative Electroacoustic, social cause.

## Omnion Marketing de Relacionamento

### Technical Services

July 2022 - Present (1 year 11 months)

Finalization of web documents.

## Thelma Chan

### Publishing Producer

January 2010 - Present (14 years 5 months)

For many years, I have been working as Thelma Chan's trusted advisor, managing a comprehensive suite of creative services. This includes overseeing her cataloguing system, crafting and maintaining her website and webstore (which I designed and developed), and producing a diverse range of media. From digital static and interactive books to musical and graphic editions, digital renderings and captivating animations. Additionally, I spearhead contract negotiations, registrations and copyright protection.

## Freelance

### Sound Track | Composer

January 2001 - Present (23 years 5 months)

- Composed and produced incidental music and soundtrack synchronization for the series "Insustentáveis", broadcast on TV Cultura and currently available on Amazon Prime Video Brasil.

- Digital soundtrack publicity; campaigns for Vogue Magazine, Malwee, QG, Folic, Caloi, and more.

## Freelance

### Technical Drawing

January 2017 - Present (7 years 5 months)

CAD projects for metallurgy in fine-art; instruction manuals editing. (NDA)

## Freelance

### Music Teacher

January 1997 - Present (27 years 5 months)

Private teacher in Musical Theory, piano and guitar.

## Iran do Espírito Santo

### Studio Manager

January 2014 - December 2017 (4 years)

São Paulo, Brasil

Art technician;

Technical Drawing;

Documentation;

Cataloguing;

International Representative;

Art Import/Export Agent;

## Intermezzo & Spina Musical Instruments

### System Analyst

January 2011 - December 2014 (4 years)

São Paulo, Brasil

- system analyst

- web store operator

- seller of digital pianos

## Freelance

### Musical Arranger

May 2014 - October 2014 (6 months)

- Digital music rendering;
- Original music;

### Gluck Pianos

#### Sales Representative

January 2013 - December 2013 (1 year)

São Paulo

- Commercial Representative for pianos: Steinway & Sons, Fazioli, Mason & Hamlin, Samick and associated brands.

### Editora Irmãos Vitale

#### Music Consultant

January 2007 - December 2009 (3 years)

São Paulo, São Paulo, Brasil

Editorial coordination, printed music, copyright.

### Canal BUSTV

#### Audio Engineer

January 2007 - December 2007 (1 year)

São Paulo, São Paulo, Brasil

Audio architecting; engineering; capture, design, editing and mixing;

### BUREAU EXPORT DE LA MUSIQUE FRANCAISE

#### Internship Trainee

October 2006 - November 2006 (2 months)

São Paulo, São Paulo, Brasil

Cataloguing, clipping, assistance, office related roles.

### Sonhos de Peixe / Fish Dreams - Feature Film (dir. Kirill Mikhanovsky)

#### Guest Musician | Sound Design Assistant

January 2004 - June 2006 (2 years 6 months)

- Music track Instrumentist;
- Audio design assistance, Álamo Studios; Dolby technology.

### upSight Internet Business

#### Web Designer

January 2000 - December 2000 (1 year)

São Paulo, São Paulo, Brasil

BitBet was a betting platform where users would bet about current news events. I did everything graphic for them, banners, overall website layout, etc., and also developed a production working chat system.

### Livraria Atlas

#### Cataloger

May 1994 - June 1994 (2 months)

São Paulo, São Paulo, Brazil

Visual Basic programming for database. Report builder. Temporary job, single month. My very first paycheck, at 13 years old. :)

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## Education

### 42 São Paulo

000013-2023, Computer Science · (January 2020 - December 2027)

### Faculdade Santa Marcelina

Bachelor's degree, Music Composition · (2001 - 2006)

### instituto cpfl

4º festival de música contemporânea brasileira · (March 2017 - March 2017)

### Universidade de São Paulo

Selected participant, Sound projects on Artistic Productions · (June 2009 - June 2009)

### Sesc

Scholarship, Composition · (October 2014 - November 2014)