CONSERVATORIO STATALE DI MUSICA G. ROSSINI - AOO A289465 - PR. U. N. 0013143 DEL 12/12/2025 - I.8.2

CANGIOTTI RODOLFO

Education

- **2019** • Bachelor of Music in Electronic Music,
  Conservatorio Statale di Musica "G. Rossini", Pesaro (PU – ITA),
  "Reducing space and time limitations in the field of music performances",
  110/110 with honors.
- **2017** • Masterclass in Computer Music Production,
  Università Politecnica delle Marche, Ancona (AN – ITA).
- **2015** • ERASMUS+ mobility experience, Composition course,
  Conservatorio Superior de Música "J. Rodrigo", Valencia (VLC – ESP).
- **2010** • High School Diploma, classical studies,
  Liceo Classico Statale "T. Mamiani", Pesaro (PU – ITA).

Experiences and Skills

- **Luxoft Italy S.r.l.**

Software developer
February 2025 – present

Improvement of codebase for assessing traffic sign and speed limit detection, upon reprocessed data. Code validation via unit tests.

`Python, pandas, NumPy, Bazel, Docker, C++`

Software integration engineer
March 2024 – January 2025

Maintaining and implementing new features in the CI/CD pipeline of map provisioning web service.

`YAML, Ansible, Zuul, Bash, Python, C++, Bazel, Docker`

Software developer
January 2024 – March 2024

Prototyping conversational agents to fetch cartographic data, summarize these latter with human-readable text or convert to other representation formats.

`Python, Autogen, XML, JSON, Batch, PowerShell, LangChain, Claude`

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Software developer
April 2022 – November 2023

Design and implementation of connectors to external data sources and metric calculation algorithms, for ETL microservice. Development and maintenance of related pipelines and APIs to exchange data between all the application microservices and user front-end. Code validation via unit tests. Knowledge sharing and tutoring to team newcomers.

`Python, Django, Celery, GraphQL, JSON, PostgreSQL, Redis, Bash, Jenkins, Docker, Kubernetes, Flux, AWS S3, AWS EKS`

- **WuBook S.r.l.**
  Software developer
  July 2017 – April 2022

Implementation of connectivity interfaces for OTAs. Source code maintenance for the related back-end web services (230 supported OTAs). Technical support and bug fixing for issues reported by users (25.000 subscribed customers).

`Python, XML, SOAP, WSDL, JSON, Bash, PostgreSQL, HTML, CSS, JavaScript, Redis, Twisted`

- **Conservatorio Statale di Musica "G. Rossini"**
  Part-time collaboration
  March 2017 – October 2017

Development of a multichannel VST audio plug-in for sound source spatialization inside the *conservatoir* ambisonic chamber.

`C++, VST3 SDK, JACK, CMake, Bash`

Audio Development Portfolio

- **TBA**
  Software developer
  March 2022 – March 2024

Developing a Max/MSP object to compute real-time stem separation on input signal, for a US customer.

`C++, min-devkit, spleeterpp, Tensorflow, CMake, JUCE, Bash, Python, Bazel`

- **Zen Composer**
  Consultant
  June 2022 – December 2023

Prototyping a web application to serve a loop station for meditative music, for a Brazilian customer.

`JavaScript, WebAudio API, HTML, CSS, Nginx, PHP, Python`

- **The Sound of Pandemic**
  Author
  April 2020 – December 2020

Design and implementation of a web application to provide the audio stream resulting from the on-the-fly sonification of Covid-19 news articles.

`Python, JavaScript, WebAudio API, JSON, Processing, p5.js, Csound, sqlite3, HTML, CSS, Docker`

- **MuSNet Project**
  Author
  January 2019 – May 2020

Design and implementation of a cross-platform compliant client-server based ecosystem for real-time networked music performances over WAN. Deployment of a public server for beta testing.

`C++, JUCE, CMake, Bash, Docker`

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Language Skills

- **Native Language:**
  Italian
- **Other Languages:**

	Written:	Spoken:
Spanish	C1 (CEFR – ERASMUS Assessment)	C1 (CEFR – ERASMUS Assessment)
English	C1	C1
French	A1	A1

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