

Gareth McAulay Moffitt

Audio Software Engineer

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<https://soundo.vercel.app>

Recently completed MSc in Software Development at the University of Glasgow and looking for entry level position as a Software Developer specialising in audio.

Education

MSc Software Development

University of Glasgow – *September '22 to December '23*

This is a conversion programme for students without a computing science background to develop skills required in tech, including courses in:

- Programming and Software engineering practices
- Algorithms and data structures
- Database theory and applications
- Enterprise cyber security
- Systems and networks
- Human computer interaction
- Information visualization
- A group project developing an online card game

My dissertation project is the design of a web app using React with TypeScript for the frontend and Django with Python for the backend. The app contains a series of interactive audio components in an online course for people learning about the fundamentals of audio and music production techniques. The front end was successfully deployed using Vercel as demonstrated in the link given above.

Tech skills

Experience with various code languages including:

- C++
- Java
- TypeScript / JavaScript
- Python
- Rust
- SQL
- Sigma16 (an imitation of assembly level code)

Experience with various frameworks including:

- JUCE
- Bela
- React
- Swing
- Django

Experience with various IDEs including:

- CLion
- IntelliJ
- PyCharm
- Visual Studio Code
- Xcode
- Eclipse
- PostgreSQL

Previous education

BSc Audio Engineering (2:1)

Perth College, University of the Highlands and Islands – *September '14 to May '15, September '16 to May '17*

This undergraduate programme included modules in the following areas of study:

- Advanced systems theory
- Advanced audio applications
- Creative media applications
- Dissertation

HND Sound Production (grade A)

Stow College, Glasgow – *August '12 to June '14*

Other employment

Studio Engineer

Carlton Studios, Glasgow – *May '16 to July '23*

Chief engineer in long established recording studio, responsible for running all aspects of recording sessions including:

- microphone selection/placement & recording
- editing, mixing and mastering using appropriate application of effects plugins operation of digital audio workstation
- delivery of final product to client specification in requested format

I also assisted in running a crowdfunder campaign for the studio during the COVID-19 pandemic, during which I organized and ran live stream performances by bands from the studio. This helped to raise over £20,000 for the studio and ensured its doors could remain open.

I continue to work as a producer independently and I am currently working on various ongoing projects and managing funding in collaboration with other organisations.

Bar Supervisor

The Snaffle Bit, Finnieston – *February '22 to December '22*

Bar Staff

The Old Smiddy, Cathcart – *September '21 to February '22*

Call Handler

NHS 24, Glasgow – *September '14 to September '15 and September '17 to August '21*

Other skills

I am an accomplished musician, principally a guitarist but also vocalist, bassist and drummer. I have recorded and performed live professionally both solo and with a number of bands in Glasgow, Edinburgh, Perth and Aberdeenshire, as well as further afield in New York, Canada and South America whilst travelling.

I am also an accomplished Spanish speaker with an interest in the food and culture of Spain and the Spanish diaspora. I previously took out some time between 3rd and 4th year at university to travel across Latin America.

References

John Hill – supervisor on individual project at University of Glasgow

John.hill@glasgow.ac.uk

Michael Taplin – owner & manager of Carlton Studios

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