

Liam Neale – Placement Reference

10 Jan 2022

To whom it may concern,

This letter is in reference to the job placement that Liam Neale had with 7thSense / Medialon in 2020-21 as a Student Software Engineer.

7thSense manufactures high-end PC-based appliances for high definition media playback and show control applications in theme parks, museums, planetaria, visitors centers, cruise ships, and live shows worldwide. Liam's placement was with the Medialon show control product team at 7thSense.

The first project Liam took on was to build a Unity plug-in that eases connecting data in a Unity project to data in a Medialon show control project. This plug-in was later used at the National Space Centre in Leicester to connect an interactive Unity game with the show control system managing the lighting, video, and audio in an exhibit.

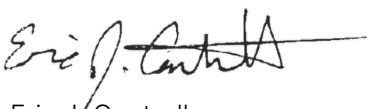
The plug-in led to another project, a Unity-based application called Marquee, which is used to build custom graphical user interfaces that link to functions and data in a Medialon show control project. Liam and another placement student worked together on the software, which is now a released product and available for download on the Medialon website (<https://www.medialon.com/marquee>).

Liam also worked to adapt Marquee to be used as a customizable front-end for a lighting control product called LXhub, which is still in development. As part of the work on LXhub, Liam also worked on a Python-based backend system running in Docker containers, so he became familiar with containers and distributed deployment.

Through these projects and working with the team, Liam learned about version control systems, collaborative team organization tools like Jira, following a sprint-based development cadence, and about the importance of team communication.

Should you have any questions regarding Liam's placement at 7thSense, I am happy to answer them via email to eric.cantrell@7thsense.one.

Thank you and kind regards,



Eric J. Cantrell
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