



Martin Audio Ltd.
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Work Placement 2021/2022

The Company:

Martin Audio enjoys an international reputation for supplying award winning professional loudspeaker systems across the spectrum of touring, theatre and installation applications.

The company was founded in 1971 by engineering maestro Dave Martin. His vision was to enable bands to play to larger audiences and be properly heard for the first time. The reputation of Martin Audio speakers quickly grew and soon we were producing world class touring systems for the super groups of the day, including Pink Floyd, The Who and Supertramp.

Renowned for integrity in design, technical excellence and the longevity of its products, Martin Audio takes system creation into a further dimension. Our mission is for every member of the audience to enjoy an exceptional sonic experience faithfully reproducing the artist's performance.

Location:

The company's prestigious UK headquarters at High Wycombe houses dedicated research & development facilities, manufacturing processes, demonstration suite, warehousing, management, sales and customer support offices.

Work Placement:

Degree Course: Acoustics or closely related subject.

Duration: 12 months, normally between second and third years of study.

Scope:

Approximately 50% of the placement will be spent on Design, working on the theoretical and practical aspects of loudspeakers and 50% will be spent on a loudspeaker related Research project.

Design:

You will be introduced to the theoretical and practical design of loudspeakers, working from conceptual models to making and testing working prototypes.

The subjects will cover a broad range of loudspeaker design techniques, including low frequency design using lumped parameters, non-linear considerations, the application of BEM for horn design, passive crossover design, loudspeaker test, measurement, and critical listening.

A good knowledge of mechanics and acoustics and a keen approach to problem solving are required. Proficiency in 3D CAD is an advantage. Basic woodworking and mechanical prototyping skills will also be an advantage.

Research:

You will work on a research project as defined by the Research Director.

Some experience of programming in any language and a willingness to expand this knowledge is required so that these skills can be applied to loudspeaker related modelling or design tasks in Matlab.

The project could be related to loudspeaker optimization techniques, the parametric definition of Creo geometry via a suitable programming language or another relevant assignment.

Job Conditions:

You are expected to work 37.5 hours per week, over the standard working hours of 8.45am to 5.30pm, Monday to Thursday and 8.45pm to 4pm on Friday. An hour is allowed for lunch Monday to Thursday and 45 minutes on Friday. You will be expected to work at the head office site in High Wycombe part time each week.

Contact:

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