

**PERSON SPECIFICATION: Research Associate in Deep Learning Based Speech Enhancement and Separation**

**INFORMATION FOR APPLICANTS:** Below are the skills, knowledge, and competencies we need for this role, categorised as either essential or desirable. The final column shows where the hiring team will look for your examples to demonstrate that you're a suitable fit for this position. Further advice and guidance is available here: <https://www.lancaster.ac.uk/jobs/how-to-apply/>

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| Skills, knowledge, and competencies needed for this role. | Essential or Desirable # | This is where we will look for your examples that help understand if you are right for this role. |
| Having a PhD degree or extensive experience and background knowledge in areas such as Computer Science, Electrical Engineering, Audio Engineering, Signal Processing, or closely related fields. | Essential | Application Form |
| Strong background in machine learning and data driven methods, particularly deep learning techniques. | Essential | Application Form/ Supporting Statements/Interview |
| Proficiency in programming languages such as Python and MATLAB and familiarity with deep learning frameworks like TensorFlow and PyTorch. | Essential | Application Form/ Supporting Statements/Interview |
| To convey an appropriate rationale and interest in applying for this particular post | Essential | Application Form, Interview |
| Experience in the analysis, and the comparison and interpretation of data | Essential | Application Form/ Supporting Statements/Interview |
| Effective analytical and problem-solving skills with ability of working  collaboratively within a team and providing appropriate guidance for colleagues | Desirable | Application Form, Interview |
| Publications record appropriate to stage of career including peer-reviewed articles | Desirable | Application Form |

**# Essential** - if you do not effectively demonstrate you have this skill, knowledge, or competency we will not be able to shortlist you. Please give detailed answers to provide us with examples.

1. **Application Form and uploaded CV and covering letter** – assessed against the first page of the Application Form and your uploaded curriculum vitae (CV, resume) and letter of support. Normally this section is used to evaluate factual elements such as an award of a qualification. This element will be scored as part of the shortlisting process.
2. **Supporting Statements** – you will be asked to provide a statement in the online portal to demonstrate how you meet the criteria. Please give detailed answers to show you have the skills, knowledge or competency. The response will be scored as part of the shortlisting process to help us determine which candidates to invite to interview. Examples of how to structure your answer is available: <https://www.lancaster.ac.uk/jobs/how-to-apply/>
3. **Interview** – you will be asked about this topic if you are invited to an interview. We may ask questions using examples from your current work history or ask you to think about how you’d respond to an example work-related situation.
4. **Test -** We might ask you to undertake a skills test, but you will be given some notice if this is the case.