

**PERSON SPECIFICATION**

**Embedded Systems Engineer, Psychology**

| Criteria | Essential/ Desirable | Application Form/ Supporting Statements/ Interview\* |
| --- | --- | --- |
| Show relevant experience in product design related to electronic devices and embedded systems. | Essential | Application Form/ Interview |
| Demonstrate relevant experience in some or all of the following: breakout board development, printed circuit boards, 3D printing. | Essential | Supporting Statements / Interview |
| Show knowledge of relevant health and safety protocols associate with embedded systems design and product creation. | Essential | Supporting Statements / Interview |
| Show programming skills in the suitable languages, such as JavaScript/Type Script, Python, C/C++  | Essential | Application Form |
| Show familiarity with microcontroller architectures and communication protocols (e.g., I2C, SPI, UART) | Essential | Application Form  |
| Convey an appropriate rationale for and interest in applying for this post. | Essential | Application Form |
| Show experience in developing open-source technologies and publishing software to GitHub. | Desirable | Application Form / Supporting Statements |
| Show understanding of prototyping technologies in research settings, higher education, or interdisciplinary settings. | Desirable | Interview |
| Experience of developing Makecode extensions | Desirable | Supporting Statements / Interview |

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* **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to make a specific supporting statement. Normally used to evaluate factual evidence eg award of a PhD. Will be “scored” as part of the shortlisting process.
* **Supporting Statements** - applicant are asked to provide a statement to demonstrate how they meet the criteria. The response will be “scored” as part of the shortlisting process.
* **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.