Details on the qualifications, experience, skills, knowledge and abilities that are needed to fulfil this role are set out below.

### Job Title: Teaching Fellow in Computer Science

<table>
<thead>
<tr>
<th>Qualifications and Training</th>
<th>Essential</th>
<th>Desirable</th>
<th>Tested by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelors degree in Computer Science or equivalent</td>
<td>X</td>
<td></td>
<td>Application Form</td>
</tr>
<tr>
<td>Postgraduate degree in Computer Science or equivalent</td>
<td></td>
<td>X</td>
<td>Application Form</td>
</tr>
<tr>
<td>Sustained experience in software development, preferably in industry or comparable context</td>
<td>X</td>
<td></td>
<td>Application Form/Interview</td>
</tr>
<tr>
<td>Experience in entrepreneurship</td>
<td></td>
<td>X</td>
<td>Application Form/Interview</td>
</tr>
</tbody>
</table>

### Specific Skills, Experience and Knowledge

- Ability to teach programming modules of a typical Computer Science undergraduate degree programme | X | | Application Form/Interview |
- Ability to supervise mainstream projects at undergraduate level in Computer Science | X | | Application Form/Interview |
- Experience in teaching at undergraduate and/or postgraduate level in Computer Science | | X | Application Form/Interview |
- Experience in leading teams of students in projects | X | | Application Form/Interview |
- Demonstrable experience of the following software development languages, tools or methodologies:
  - Software development and debugging environment | X | | Application Form/Interview |
  - Scrum-based Agile development | X | | Application Form/Interview |
  - GIT | X | | Application Form/Interview |
  - Unit tests development and TDD | X | | Application Form/Interview |
  - Continuous integration tools, eg Jenkins | | X | Application Form/Interview |
  - Bug management tools, e.g. Bugzilla | X | | Application Form/Interview |
  - Java | X | | Application Form/Interview |
  - Python | X | | Application Form/Interview |
  - PHP5 or Node.js | X | | Application Form/Interview |
  - HTML5/CSS3/JavaScript (jQuery) | X | | Application Form/Interview |
  - WordPress | X | | Application Form/Interview |
  - Responsive Web application design | X | | Application Form/Interview |
  - Android/iPhone App development | X | | Application Form/Interview |
  - Relational databases | X | | Application Form/Interview |
  - Ability to write clear technical and user documentation | X | | Application Form/Interview |

### Personal and Interpersonal Qualities

- Ability to co-ordinate with others to ensure student learning and teaching needs and expectations are met | X | | Application Form/Interview |
- Ability to work as part of a team | X | | Application Form/Interview |
- Excellent interpersonal skills | X | | Application Form/Interview |
- Ability to plan and organize initiatives as well as to efficiently manage time | X | | Application Form/Interview |

### Capacity for Career Development

- A commitment to continuous personal development | X | | Interview |