# **Job title: Graduate**/**PostGraduate Scientist/Engineer (Waves/Metocean)**

## Education and Experience

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|  | Essential | Desirable |
| BSc/BEng and preferably MSc/MEng or PhD in a relevant field (e.g. oceanography, meteorology, applied mathematics, physics, civil engineering). | x |  |
| Experience in estimating metocean extreme values for design criteria, including the quantification of uncertainties. |  | x |
| Experience in the application of numerical wave and wind models (e.g. SWAN, SWASH, WRF, WASP) |  | x |
| Experience in programming using one or more languages: Python, Matlab, R | x |  |
| Highly numerate with strong analytical and problem-solving abilities | x |  |
| Good attention to detail, record keeping, presentation and report writing skills | x |  |
| Code management (GIT, branch management, unit testing) |  | x |
| Knowledge of machine learning techniques and their limitations |  | x |
| Knowledge of relevant industry standards |  | x |
| Fortran programming language |  | x |
| GIS  |  | x |

## Personal Characteristics

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|  | Essential | Desirable |
| Ability to work independently, take the initiative, find solutions, while working as part of a team. | x |  |
| Strong, effective communication skills, both verbally and in writing | x |  |
| Resilient, highly motivated | x |  |
| Attention to detail | x |  |
| Quality and delivery focussed | x |  |