Research Fellow/Research Engineer (Simulation and
Software Development) - WX5
Singapore Institute of Technology

Job Title Research Fellow/Research Engineer (Simulation and Software
Development) - WX5

Department Engineering

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Mar. 14, 2024

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Computer Engineering
Computer Science

Job Website https://careers.singaporetech.edu.sg/cw/en/job/498624/research-fellowresearch-engineer-simulation-and-software-development-wx5

Apply By Email

Job Description

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Job no: 498624
Department: Engineering
Contract type: Contract
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As a University of Applied Learning, SIT works closely with industry in our research pursuits. Our research staff will have the opportunity to be equipped with applied research skill sets that are relevant to industry demands while working on research projects in SIT.

The primary responsibility of this role is to deliver on an industry innovation research project where you will be part of the research team to develop/produce/investigate a web-based Ship Simulation and Optimisation Software Platform.

Key Responsibilities

- Participate in and manage the research project with Principal Investigator (PI), Co-PI and the research team members to ensure all project deliverables are met.
- Undertake these responsibilities in the project:
  i. Carry out ship and system modelling and simulations.
  ii. Design and develop the web application and software system for a Ship Simulation and Optimisation Software Platform.
  iii. Carry out testing of the application, fix problems, and improve the software performance.
- Coordinate procurement and liaison with vendors/suppliers.
- Work independently, as well as within a team, to ensure proper operation and maintenance of equipment.

Job Requirements

- Have relevant competence in the areas of modeling and simulation.
- Have experience in programming.
- Have a degree in Computer Science / Computer Engineering / Mechatronics / Other Relevant Engineering Degree. Possessing a Master's or PhD degree will be advantageous
- Knowledge of web system develop will be advantageous

Key Competencies

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- Able to carry out web system development in C++/Java/Python
- Able to build and maintain strong working relationships with people within and external to the university.
- Self-directed learner who believes in continuous learning and development
- Proficient in technical writing and presentation
- Possess strong analytical and critical thinking skills
- Show strong initiative and take ownership of work

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Advertised: 14 Mar 2024 Singapore Standard Time
Applications close: 31 Dec 2024 Singapore Standard Time

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore