

Research Fellow / Engineer (geospatial data) - MG Singapore Institute of Technology

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Posted Jun. 6, 2023, set to expire Jul. 5, 2024

Job Title Research Fellow / Engineer (geospatial data) - MG
Department Infocomm Technology
Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Jun. 6, 2023

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Statistics & Actuarial Science
Geography
Computer/Information Sciences

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Job Description

Research Fellow / Engineer (geospatial data) - MG

Job no: 498340

Department: Infocomm Technology

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 a mobile app for visualising geospatial data.

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:
 1. Implement code for improved cartographic algorithms and thematic map designs.
 2. Design human-subject experiments that test how the implemented map designs are used on electronic devices.
 3. Obtain approval for conducting experiments from the Institutional Review Board.
 4. Perform statistical analysis and report the results in the format of journal articles and conference contributions.
- Carry out Risk Assessment, and ensure compliance with Work, Safety and Health Regulations.
- 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 mobile app development.
- Have programming experience in Python and JavaScript.
- Have a Ph.D. degree in computer science, statistics, geography or a closely related field from a regionally or internationally accredited institutions.
- Knowledge of experimental design and computational geometry will be advantageous.
- Knowledge of C++ and R is desirable.

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Advertised: 05 Jun 2023 Singapore Standard Time

Applications close: 30 Jun 2023 Singapore Standard Time

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Contact Information

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

Contact

Singapore