

University of Manitoba – Programmer Analyst

To apply

https://viprecprod.ad.umanitoba.ca/default.aspx?REQ_ID=11358&Language=1

Job Description :

Computer Programmer - Information Technologist 4 (AESES) New Grant-Funded Project Full-Time 35.00 hours/week; Monday to Friday 8:00 am - 4:00 pm Salary Range: \$36.01 - \$48.17 per hour (\$65,538.20 - \$87,669.40 per annum) Proposed Start Date: August 17, 2020 Proposed End Date: August 31, 2021 Trial/Probation Period: 840.00 work hours

Responsibilities :

- Designs, develops, tests and maintains software libraries to support high-performance management and analysis of large datasets.
- Develops specifications based on detailed requirements and analysis of existing code base.
- Develops processes for implementing, testing, maintaining and documenting existing and new libraries.
- Develops and disseminates technical documentation on computer algorithms and concepts for use by other staff members and outside users.
- Provides technical support and assistance to other data analysts and clients in using VDEC's software libraries.
- Consults and works with researchers internal and external to the University of Manitoba.
- Communicates with external agencies to answer internal and external questions.
- Performs other related duties as assigned or required.

Qualifications :

EDUCATION: - An undergraduate degree or diploma from a recognized post-secondary institution, with a focus on information technology, computer sciences, mathematics or statistics, is required.

EXPERIENCE: - Extensive software development experience using one or more strongly-typed programming languages (e.g. C/C++, Java, Go) is required. - Experience designing, developing and validating complex software systems is required. - Extensive experience using development tools (e.g., make, version control, unit and integration testing, documentation and deployment tools etc.) is required. - Experience with high-performance computing, including selecting efficient algorithms and data structures, memory and I/O optimization and parallel/concurrent programming is required. - Experience with cross-platform development including Windows, MacOS and Linux is required. - An acceptable equivalent combination of education and experience may be considered.

SKILLS/ABILITIES: - Must have in-depth knowledge of various programming languages like C/C++ - Must be able to identify complex problems and review related information to develop and evaluate options and implement solutions. - Must be able to maintain confidentiality of the information. - Quantitative mathematical skills are required. - Systems analysis and complex problem solving skills are required. - Effective communication skills are required, both oral and written; from effective comments in code to scientific dissemination of results. - Time Management skills and ability to work independently is required. - Ability and willingness to learn new techniques is required. - Conscientious attention to detail is required. - Demonstrated ability to determine priority and balance workloads and demands is required. - Proven analytical and problem-solving abilities are required. - Ability to work effectively in a diverse team environment is required. - Satisfactory work record, including satisfactory attendance and punctuality, is required.

Additional Information :

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further

diversification of ideas. Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy" (Manitoba). Please note that curriculum vitae will be provided to participating members of the search process.

Reference ID: 11358

Job Types: Full-time, Permanent

Salary: \$65,538.20 - \$87,669.40 per year

Benefits:

- Company Pension
- Dental Care
- Employee Assistance Program
- Extended Health Care
- Life Insurance
- Vision Care

Schedule:

- 8 Hour Shift