MECCE
MONITORING AND EVALUATING CLIMATE COMMUNICATION AND EDUCATION

SEPN
SUSTAINABILITY AND EDUCATION POLICY NETWORK

www.mecce.ca
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Call for Applications 2023

Software Developer(s)

Monitoring and Evaluating Climate Communication and Education Project Canada

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Department: Sustainability Education Research Institute, College of Education, University of Saskatchewan
Location: Saskatoon/Remote (must be eligible to work in Canada)
Employment Type: Casual, 1 year term with possibility of extension dependent upon satisfactory performance and availability of funding
Employment Group: ASPA
Full Time Equivalent (FTE): 0.5-1.0 FTE
Salary Family: Specialist Professional
Salary Phase/Band: Phase 1, the starting salary is negotiable based on experience
Posted Date: (date position is posted online)
Closing Date: Until filled
Number of Openings: Up to 2

Primary Purpose: The MECCE Project is an international research partnership with the goal of advancing global climate literacy and action through improved quality and quantity of climate change communication and education (CCE). The MECCE Project partnership includes over 100 scholars and organizations, including an Advisory Committee comprised of the IPCC, UNESCO, UNFCCC, and UNESCO Global Education Monitoring Report. This 6-year, $4.5 million Partnership Grant is largely funded by the Canadian Social Sciences and Humanities Research Council, hosted by the University of Saskatchewan, and directed by Prof. Marcia McKenzie.

The MECCE Project aims to increase context-informed understandings of quality CCE in policy and practice, as well as to provide global data to support governmental and intergovernmental benchmarking, target setting, and progress in quantity of CCE provision. The Project addresses these aims through three Axes of activities: 1) Case Studies, to increase the quality of CCE through generating novel understandings of quality CCE based on synthesized literature and select case studies; 2) Indicator Development, to increase the quantity of quality CCE through developing new datasets and indicators to support global CCE target-setting and monitoring; and 3) Knowledge Mobilization, to contribute high impact research-based deliverables for key partners and audiences to advance policy and practice.

See www.mecce.ca for more information.

Nature of Work: The project's University of Saskatchewan branch is currently seeking one or more Software Developers to contribute to the MECCE Project. In 2022 an Interactive Data Platform (IDP) was launched to visualize and feature the different forms of data that the project is creating using visualizations, data storytelling, and other techniques. The IDP (and overall MECCE website) has been built in Wordpress using both custom features and popular plug-ins.

Some of the key interactive data visualization features have been built using a pipeline of Python, Plotyly, and Flask. MECCE is also exploring the utilization of a PowerBI dashboard in the next iteration of the IDP.

Responsibilities may include:

- Maintaining the current Wordpress and Python/Plotly based platforms and making small tweaks and upgrades to the Interactive Data Platform.
- Assuring the security and ongoing stability of the MECCE website and IDP in particular.
- Building more visualizations by reusing the existing pipeline in the IDP's backend
- Developing new Python/Plotly based features/visualizations etc. for the IDP
- Develop and maintain PowerBI dashboards, reports, and visualizations for stakeholders.
- Create and manage data models in PowerBI to support reporting and analysis.
- Optimize PowerBI dashboards and reports for performance and user experience.
- Develop and maintain WordPress websites, plugins, and themes.
- Test and troubleshoot issues with WordPress websites.
- Manage WordPress updates, backups, and security.
- Customizing WordPress websites to meet specific business requirements.
- Integrating WordPress with PowerBI reports.

Requirements

- Bachelor's degree in computer science, Web Development, or a related field.
- Minimum 3 years of experience with development work in Python, Plotly, Wordpress, or PowerBI or some combination of them.
- Proficient in SQL and experience working with relational databases.
- Strong understanding of data modeling and data warehousing concepts.
- Experienced in developing in production environments and follow good software development practices.
- Excellent communication skills, including the ability to communicate, negotiate, and deliver solutions within a cross-functional team that includes social scientists, web developers/software engineers, solution architects, and project managers.
- Excellent problem-solving ability, translating project requirements into technical solutions and implementing them.
- Ability to work independently, following timelines to complete work in an efficient manner.

*Please submit a **Curriculum Vitae** detailing your education, awards, publications, and relevant experience (please include the words 'MECCE Software Developer' in the email subject line) to:*

Christina Wong
Administrative Assistant
christina.wong@usask.ca

Application review will continue until the position is filled. The position is expected to begin as soon as possible. ***Only those selected for an interview will be notified****.*

The University believes equity, diversity, and inclusion strengthen the community and enhance excellence, innovation and creativity. We are dedicated to recruiting individuals who will enrich our work and learning environments. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents will be given priority.

We are committed to providing accommodations to those with a disability or medical necessity. If you require an accommodation in order to participate in the recruitment process, please notify us and we will work together on the accommodation request.

The University of Saskatchewan's main campus is situated on Treaty 6 Territory and the Homeland of the Métis. We pay our respects to the First Nations and Métis ancestors of this place and reaffirm our relationship with one another. Together, we are uplifting Indigenization to a place of prominence at the University of Saskatchewan.