

POSTING NO.: ESSF 1507

AFFILIATION: CSU52

The Edmonton Space & Science Foundation
PROGRAMMER (TEMPORARY FULL TIME)
NOVEMBER 2020 – MARCH 31, 2021

The TELUS World of Science – Edmonton's mission is to: Ignite curiosity. Inspire discovery. Celebrate science. Change lives. We are the destination to engage Albertans' hearts and minds in science. The Edmonton Space & Science Foundation is a non-profit organization that operates TELUS World of Science – Edmonton. The Foundation strives for results that strengthen our community with engaging opportunities for children, youth and adults to spark and continue their love of learning.

Position Summary:

The Intern will gain highly desirable skills in “full stack development”, an area of application development that is in extremely high demand. They will advance their skills in logical thinking and problem solving through application design. They will also learn to be adaptable through application development and testing of the application. Finally, their interpersonal and communication skills will be on display as they present, they work through the application with the sponsoring team.

Under the leadership of the Senior Manager, Information Technology, the Programmer will focus on designing, programming, debugging and implementing a key software solution that is focused on customer engagement, fund management and visitor experience.

The primary customer facing project will focus on enabling a visitor to dedicate a star to a loved one to celebrate a birthday, wedding or anniversary in exchange for a donation to our organization.

Duties and Responsibilities

- Review the existing collection of documentation and user requirements
- Assist in the collection and documentation of additional user requirements
- Assist in the creation of a design document
- Set up a developmental environment that supports the code base
- Build the application in the Python programming language based on the design document and user requirements
- Write and modify applicable test cases to ensure the solution is working as designed
- Participate in the application approval process with the sponsoring department
- Prepare support documentation
- Set up a server environment that supports a Python and Flask code base
- Assist with the deployment of the application

This position is being partially funded by Young Canada Works Building Careers in Heritage. Interested applicants must be able to fit the requirements listed:

- *are a Canadian citizen or a permanent resident, or have refugee status in Canada (non-Canadians holding temporary work visas or awaiting permanent status are not eligible);*
- *are legally entitled to work in Canada;*
- *are between 16 and 30 years of age at the start of employment;*
- *are willing to commit to the full duration of the work assignment;*
- *will not have another full-time job (over 30 hours a week) while employed with the program;*
- *are unemployed or underemployed;*
- *are a college or university graduate;*
- *are not receiving Employment Insurance (EI) benefits while employed with the program; and*
- *have not previously participated in or been paid under this or any other Career Focus internship program funded under the Government of Canada's [Youth Employment Strategy](#)*

Note: A Vulnerable Populations Check is a condition of employment for successful candidates. Must be completed prior to commencement of work and is the financial responsibility of the candidate.

Skills/Knowledge

- Familiar working knowledge with the following technologies: JavaScript, HTML, CSS, Python, Flask or Django, PostgreSQL, JSON and SQL
- Familiarity with GIT and Github
- Understanding of basic database design and object-oriented software engineering
- Ability to work as an effective team member
- Capable of writing clean, well-documented code
- Solid trouble shooting skills and ability to break up problems into multiple functions
- Established analytical and critical thinking skills
- Demonstrated patience and attention to detail
- Ability to take a basic design document and turn it into a completed product

Education/Experience:

- Some experience writing coding documents to communicate the development direction

- Completed or in the process of completing degree/certificate in Computer Science, Mathematics, Statistics or similar field is preferred.

Salary: 27.93 (FT 160) per hour as per the 2020 Collective Agreement between CSU 52 and The Foundation

Hours of Work: 37.5 hours/per week, Monday thru Friday.

Opening Date: November 17, 2020

Closing Date: November 27, 2020 or until successful candidate selected

How to apply: All interested applicants should send their resume and cover letter to TWOSE Human Resources at hr@twose.ca