UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

Summer Employment Opportunity

Title: Online Junior Programs Coding Instructor
Date of Employment: April 26, 2021 – August 31, 2021
Hiring Department: Engineering Outreach Office, Faculty of Applied Science & Engineering
Rate of Pay: $17.30 per hour
Deadline to Apply: April 19th, 2021
Number of Positions: 12 positions; remote
Hours of Work/Week: 10-20 hours a week – Fridays, Saturdays, Sundays, some weekdays; program dependent

The Engineering Student Outreach Office (ESOO) is currently seeking coding instructors who will deliver various online coding outreach activities for youth between May 2021 and August 2021. The Engineering Student Outreach Office manages and administers the core outreach programs offered by the Faculty. We act as the central unit for outreach activities promoting Science, Technology, Engineering, and Math (STEM) education to a wide audience. Instructors will have the opportunity to share their knowledge and inspire the minds of young Canadians through STEM education beyond the scope of a traditional classroom environment.

The Online Junior Programs Coding Instructor works to teach and facilitate various online innovative STEM workshops and activities with a focus on coding, digital literacy and creative design. They deliver engaging and accessible programming to students with an interest and aptitude in STEM. They play a vital role in community building and behaviour management in online environments as they work to deliver curriculum and mentor students in the community.

Instructors will be responsible for supporting the development and delivery of online Junior Programming, which consists of online guided hands-on workshops and coding programs. One of these programs includes pioneering a brand-new Minecraft program and select instructors who have indicated experience or interest will work to help develop this programming. Instructors may also be invited to instruct for a range of events and activities during the academic year, should they occur online or safely on campus.

Duties and Responsibilities

- Instructors will be responsible for creating, delivering and teaching various Online innovative STEM and coding workshops and activities that are primarily focused on teaching youth coding, digital literacy, and creative design skills
- Instructors will be teaching online workshops via Google Classroom to small classes of students grades 3-8
- Instructors will be responsible for adequately learning material and becoming experts in the created/provided hands-on/coding activities.
- Instructors will be expected to ensure that their programs are delivered in engaging and accessible ways to students with an interest and aptitude in STEM.
- Instructors will take some responsibility in creating, delivering and teaching various innovative STEM Online workshops and activities.
- Instructors will be expected to have a thorough understanding of all the activities that will be

offered and will be required to take on instructional responsibilities in dynamic situations.

- Instructors will take a pivotal role in the classrooms where they will create an inclusive safe learning space for students with different learning needs.
- Instructors will be required to have a general sense of awareness and understanding for the students in their class.
- The instructor role will be highly fluid and the ESOO seeks candidates that will thrive in dynamic working environments.
- Instructors are expected to be available during the training period for this position.

Experience and Education:

- Undergraduate or recent graduates of the University of Toronto preferred. Students of other institutions encouraged to apply. Preference will be given to students in undergraduate engineering, science and education programs. If you have experience in coding and programming, please indicate this in your cover letter along with what languages you are familiar with.
- Applicants should demonstrate experience working with youth, especially within a camp setting or other youth learning and development programs. If you have experience working with a specific grade level or age group, please indicate this on your application. If you have a specialty in a particular area of science or engineering, please highlight this in your cover letter (for example, the ability to teach coding, knowing how to solder, experience in a wet lab, etc.).
- A Police Clearance Letter will be required of all successful applicants.
- Successful applicants will be required to attend operations training as well as curriculum, teaching, and learning training.
- Applicants must have experience working with children and youth.

Applicants Submit:

1. Cover letter
2. Resume
3. Timetable (if applicable)

Please ensure that documents are submitted as:

FIRSTLASTNAME_Coverletter
FIRSTLASTNAME_Resume
FIRSTLASTNAME_Timetable

Qualified applicants should submit their documents to the attention of Justin Carter, Outreach Programs Coordinator, Engineering Outreach Office. Submissions can be emailed to: justin.carter@utoronto.ca

Learn More:
For more information, visit www.outreach.engineering.utoronto.ca.