The AI4Good Lab was founded in 2017 by Professor Doina Precup and Angelique Mannella. It’s focused not only on innovative approaches to teaching and learning Artificial Intelligence (AI), but also with the ambitious goals of tackling diversity and inclusion in AI research and development, and inspiring the next generation of technical leaders to develop AI as a force for social good.

The Lab takes place over 7.5 weeks (May 3 to June 22 2021) and brings together a cohort of up to 30 undergraduate women from across Canada. The program consists of a mashup of lectures, workshops, a hackathon, and self-directed team projects. Instructors and mentors include university researchers, graduate students, and practitioners from startups, corporates, inter-governmental organizations and city government. There’s also a strong emphasis on curiosity-driven learning and mentorship both from peers and industry experts.

We are looking to hire 12 graduate students on a part-time basis to provide approximately 15 hours per week of teaching and mentorship assistance to the lab participants.

Questions? Email us info@ai4goodlab.com

TA RESPONSIBILITIES
- Mentor the participants as they begin their AI career journey
- Create a small toolkit of preparation material in advance of the Lab
- Adapt existing course materials to your teaching style
- Lead participants through examples and exercises, assist with coding practice and problem-solving
- Assist participants as they develop AI prototypes
- If required, teach lectures using existing course material on key machine learning concepts according to your background
- Meet daily with small groups of participants for studying, tutoring, prototyping, and
project tracking throughout the program

**IDEAL CANDIDATE BACKGROUND**

- Experience and passion for teaching and mentorship
- Current PhD or M.Sc. student using Machine Learning concepts such as Neural Networks, Concurrent Neural Networks, Recurrent Neural Networks, and/or Reinforcement Learning

**DATES AND SALARY**

- Virtual on-boarding meeting (2 hours) April 15th, then up to 15 hours per week between May 3 - June 22 2021.
- $20/hour

**TENTATIVE LAB STRUCTURE**

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<td>April 15</td>
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| May 3 - May 31  
11 AM - 6:00 PM EST  
*TAs will not be required to be present for the entire day but will have dedicated hours* | Machine Learning  
Through a combination of lectures, tutorials and assignments this short course will provide an overview of machine learning.  
- Lectures, tutorials, and assignments on machine learning.  
- 90 minute lectures and TA-led tutorials |
| May 21 - May 22 | Hackathon | AI4Good Hackathon - optional for TAs                                  |
| June 1 - June 21st  
11 AM - 6:00 PM EST  
*TAs will not be required to be present for the entire day but will have dedicated hours* | Prototype Development  
Participants will work in teams to develop an AI application for social good.  
- Daily Project Check-ins and TA Office Hours |
| June 22nd   | Demo Day          | TAs will be required, barring outstanding circumstances, to attend as participants present their applications to the entire AI4Good Lab community. |