Working Towards a More Inclusive Tech Culture by Empowering Women in AI

AI4Good.
Lab

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 2020**) 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.

APPLY HERE

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 2020.
- $20/hour

TENTATIVE LAB STRUCTURE

Dates	Theme	Details
April 15	Training	On-boarding meeting
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.