School of Continuing Studies

Part-Time Instructor – CSML1020 Machine Learning at Scale

Discipline/Field: Machine Learning, Artificial Intelligence, Computer Vision, Deep Learning, Data Science, Digital Technology
Program: Certificate in Machine Learning

The York University School of Continuing Studies is home to a diverse community of ambitious, growth-minded individuals seeking to accelerate the change they want to make in themselves and the world. The School is the fastest growing in Canada, offering programs codesigned and delivered by senior industry leaders within established, high-demand, and emerging professional disciplines.

We harness the power of cohort learning to promote a strong sense of community in everything we do, encouraging peer-to-peer collaboration and growing the personal and professional networks of our students for years to come. We build resiliency by teaching specialized knowledge and technical skills, while simultaneously providing opportunities for enhancing soft skills, cultural understanding, and cross disciplinary know how.

We embrace a global perspective through collaborative working relationships with leaders in industry and academia across Canada and around the world. We value the advantages that come with diversity and our students speak more than 65 languages.

POSITION DESCRIPTION
We are seeking an experienced and credentialed subject matter expert to assume the role of Part-Time CSML1020 Instructor in our nationally award-winning, part-time, 4-course Certificate in Machine Learning. The Part-Time Instructor will lead the delivery of the CSML1020 Machine Learning at Scale course. Learn more about the Machine Learning program.

PROGRAM DESCRIPTION
This program covers various technical elements of machine learning and artificial intelligence that culminate into the final course of the program, whereby students are paired with a business to work end-to-end on an AI solution that solves a real business need. In this course, students examine and apply the fundamentals of working with extremely large data sets: parallelize and perform MapReduce operations using Hadoop.
and Spark; fundamentals of deep learning and working with TensorFlow and Keras; as well, using image and voice data to build deep neural network models. Following this course, students work end-to-end on a capstone project.

INSTRUCTOR DUTIES
• Deliver course content in a manner that is engaging, dynamic and interactive, drawing on direct professional experience
• Offer innovative approaches to quality teaching and learning that improve student outcomes and embed technologies into the classroom experience
• Ensure accuracy and relevancy of course content, materials and assessments
• Establish and foster a safe, welcoming and inclusive learning environment
• Provide formative assessment of student learning through a variety of methods
• Evaluate learning outcomes and assess student comprehension and demonstration of associated skills, competencies and behaviours
• Provide constructive feedback and grades to students in a timely fashion and subsequently offer counsel to students where required
• Communicate with students in a timely, supportive and professional manner
• Respond promptly to student feedback and evaluation findings to maximize student satisfaction, collaborate with fellow instructors and the administration around ongoing course and program enhancements
• Assist with program matters including curriculum review, transfer credit assessment, academic appeals, technological enhancements, etc. as needed

QUALIFICATIONS
• Experience and demonstrated success in AI development/solutions for enterprise
• Advanced degree in a relevant field
• Highly knowledgeable in any of the course topic areas
• Experience teaching adults in an academic and/or corporate setting is preferred
• Demonstrated ability working in a team environment with excellent communication, interpersonal, organizational, problem solving and time management skills
• Comfortable with technology and highly proficient with teaching in a physical classroom and Zoom platform settings

START DATE
This course runs January-March and May-July and is delivered via Zoom and asynchronously on Moodle. Each course is 8 weeks long, with live classes taking place Saturday and Sunday from 10am-5pm on Week 1, plus the final Friday 10am-5pm on Week 8.

Submitting Your Application
At York we boast a culture of respect, equity, diversity and inclusivity, where we value each other’s differences and exercise our strengths. The University welcomes applications from all qualified individuals, and encourages individuals within the University’s employment equity categories of women, persons with disabilities, members of visible minorities, Indigenous persons, individuals of diverse gender and sexual orientation and all groups protected by the
Human Rights Code to apply. York University is committed to employment equity and diversity, and a positive and supportive environment.

York University offers accommodation for applicants with disabilities in its recruitment processes. If you are contacted by York University regarding a job opportunity or testing, please advise if you require accommodation.

If you're interested in contributing to our diverse community - we want you here.

Applications must consist of a cover letter and curriculum vitae. Preferred candidates may be asked for qualification verification (e.g., credentials). Applications are to be addressed and submitted to:

Sean Woodhead
Program Manager, Professional Education
School of Continuing Studies
woodhead@yorku.ca