EMERGENCY TA Job Posting: APS1070H - Foundations of Data Analytics and Machine Learning | Winter 2024

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

Job Posting Date: November 3, 2023
Application Deadline: November 17, 2023
Estimated course enrollment: ~up to 100 per section (2 sections total)

Course Description:
This course covers topics fundamental to data analytics and machine learning, including an introduction to Python and common packages, probability and statistics, matrix representations and fundamental linear algebra operations, basic algorithms and data structures and continuous optimization. The course is structured with both weekly lectures and tutorials/help sessions – this course will be delivered online

Winter 2024 Positions:

Schedule:

Winter 2024: Jan 12 – April 2

Section 1: Friday, 9-1030am in GB119, 1pm-2:30pm in MS2170 | Tutorial 1: Wednesdays, 5-7pm in GB248

Section 2: Friday 10:30am-12pm in GB119, 2:30pm-4pm in MS2170 | Tutorial 2: Thursdays, 10am-12pm in GB221

Head TA: 136 hours (1 position)

Duties:
The head APS1070 Teaching Assistant will offer project tutorials, participate in help sessions, update/create course materials, respond to student questions (emails and Q&A forum) and oversee marking.

Minimum Qualifications:
TA experience in similar topics related to APS1070 (machine learning, analytics, python)

Preferred Qualifications:
Must have the ability to clearly explain data science concepts and have a proficiency in Python.

Must be creative, organized and capable of working independently. Must demonstrate strong leadership and have supervised others
TA experience in APS1070

**Relevant Criterion:** Previous experience is the more relevant criterion in respect of the posted position.

**Tutor/Marker:** 91 hours (4 positions)

**Duties:**
APS1070 Tutor/Markers will tutor students in help sessions, respond to student questions (emails and Q&A forum) and mark course projects and other evaluations.

**Minimum Qualifications:**
TA experience as a tutor/marker

**Preferred Qualifications:**
Proficiency in Python and manipulating large datasets. Understanding of, and interest in, data science. Must be capable of working independently. Must have strong communication skills. TA experience in APS1070 an asset.

**Relevant Criterion:** Previous experience is the more relevant criterion in respect of the posted position.

**Date of Appointment:** Jan 2024 – April 2024

**Rate of Pay:** Current TA rates: U/G: $47.64/hour; SGS I: $47.64/hour; SGS II: $47.64/hour

For more information about this course, see [https://gradstudies.engineering.utoronto.ca/professional-degrees/emphasis-in-analytics/](https://gradstudies.engineering.utoronto.ca/professional-degrees/emphasis-in-analytics/)

**Notes:**
1. TA position and hours posted are tentative, pending final course determination and enrollment.
2. The Vice-Dean of Graduate Studies in the Faculty of Applied Science & Engineering has the sole authority to offer the above TA positions.
3. CUPE 3902 Unit 1 Collective Agreement is available at [http://agreements.hrandequity.utoronto.ca](http://agreements.hrandequity.utoronto.ca).

To apply for a TA position, please submit your application via this [form](https://gradstudies.engineering.utoronto.ca/professional-degrees/emphasis-in-analytics/). If this link does not work please email your application (CV and Resume as a SINGLE PDF FILE) directly to David Duong [d.duong@utoronto.ca](mailto:d.duong@utoronto.ca) by **Nov 17, 2023**
The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our Accommodation webpage.

Duties of this position shall be performed at the campus on which the position is located. Where the duties are intended to be performed at another location, such other location will be specified in the posting.

“The hiring Criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.” OR “The hiring criteria for Course Instructors positions are academic qualifications, the need to acquire experience, previous teaching experience and previous satisfactory employment under the provisions of this Collective Agreement.” (as applicable)

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

FOR TA’s ONLY: Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.