Job Posting:173375 - Position: W26 Co-op Student, Data Science 173375

Co-op Work Term Posted:	2026 - Winter
App Deadline	09/29/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	09/16/2025 02:14 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	Xenon Pharmaceuticals Inc.
Address Line 1	200-3650 Gilmore Way
City	Burnaby
Postal Code / Zip Code	V5G 4W8
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2026 - Winter
<b> Job Title <b>	W26 Co-op Student, Data Science 173375
Position Type	Co-op Position
Job Location	Burnaby, BC
Country	Canada
Duration	8 months
Work Mode	In-Person
Salary Currency	CAD
Salary	18.5 per hour for 0 Major List
Salary Range $	18.50-28.00 per hour
Job Description	Co-op Student, Data Science Xenon Pharmaceuticals Inc.

Who We Are:

At Xenon Pharmaceuticals (NASDAQ:XENE), we are committed to providing a brighter future for patients suffering from neurological disorders. Our employees are smart, passionate, dedicated, and driven by their incredibly important work to discover, develop, and deliver innovative medicines for patients in need. We are looking for great people who thrive in a respectful, collaborative, inclusive, and productive culture to join the Xenon team.

What We Do:

We are advancing an exciting portfolio of neurology therapies in our product pipeline, with a focus on commercializing novel treatments for epilepsy. Building upon the positive results and compelling data from our XEN1101 Phase 2b "X-TOLE" study in adult patients with focal epilepsy, our XEN1101 epilepsy program includes multiple Phase 3 clinical trials in patients with focal onset seizures and primary generalized tonic clonic seizures. In addition, based on topline data from our XEN1101 Phase 2 "X-

NOVA" clinical trial in adults with major depressive disorder (MDD), we are actively exploring the future development of XEN1101 in MDD and potentially other indications. Our pipeline also includes other early-stage research programs, and we are proud of the leading-edge science coming out of our discovery labs. Backed by a strong balance sheet to support our growth plans, we continue to build a fully integrated, premier neuroscience company with strong discovery, clinical development, corporate, and commercial operations.

About the Role:

We are seeking a **Co-op Student, Data Science** to support the Computational Science & AI team to build, develop and deploy **machine learning powered applications** and automated data analysis/signal processing applications through an on-premises cloud infrastructure.

The position will liaison with Research Scientists and IT Network managers to create production grade, user friendly, front-end and back-end code, mostly using Python programming to deploy machine learning applications to an on-premises Linux server.

The successful applicant will have the ability to work independently, good communication skills, be friendly and easy to work with, strong programming experience in Python, and excellent knowledge of deep learning concepts. The ability to train and run deep learning models (imaging datasets, animal pose estimation, etc.) in a Linux environment is required. Familiarity with Plotly's Dash or similar front end visualization/plotting library is also required.

This position reports to a Associate Director, Data Science in the Computational Science & AI group and will work with other Research Scientists in the InVivo/InVitro Pharmacology team and IT Network Infrastructure Managers in the Xenon Burnaby office location.

RESPONSIBILITIES:

- Ability to build scalable data models, leading to user friendly web-based applications/GUIs in Python
- Use Docker to build, test and deploy applications on a server
- Setup deep learning pipelines including data labeling to create training dataset, model training, model validation and error quantification (mostly animal pose estimation models).
- Communicate effectively with all stakeholders, including presenting algorithm, methods and results to a larger audience.
- Write detailed application documentation using professional tools in GitHub pages or similar.
- Act in accordance with Company policies, including, for example, the Code of Business Conduct and Ethics and ensure policies are understood and followed.
- Other duties as assigned.

Additional Information

Salary: $18.50 - $22.00 per hour, commensurate with relevant education and
Location: 3650 Gilmore Way, Burnaby, BC V5G 4W8 (office 2025 – Aug 2025), with a possibility of an

Job Requirements

QUALIFICATIONS:

- Currently working towards a Master's degree; a minimum of a bachelor's degree in engineering, computer science, math, other related quantitative field, with relevant machine learning and computer programming experience.
- Advanced programming skills in Python including creating/debugging scripts and writing readable and functional code with appropriate documentation and comments.
- Experience with data science and machine learning projects with Python using common data science and visualization libraries like Scipy, Plotly's Dash, etc.
- Familiarity with basic HTML, CSS elements to create user friendly front-end interface and interactive visualizations for projects (Plotly's Dash (open source), or FastAPI web frameworks).
- Excellent knowledge of deep learning (DL) concepts and ability to setup and run deep learning image processing models in a Linux server environment.
- Excellent writing skills with a demonstrated ability to properly document projects (for example through GitHub Pages, Sphinx documentation, Read the Docs).
- Strong communication, leadership and interpersonal skills required.

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op
Cover Letter Required? Yes
Address Cover Letter to Hiring Manager