



**XPRIZE  
CANADA  
HUB**

## Internship Description

### Internship Opportunity: Data & Analytics Intern

**Overview:** The XPRIZE Canada Hub, in partnership with the XPRIZE Foundation is seeking an intern to assist in building a comprehensive internal dataset that maps XPRIZE team members to their corresponding Scopus author profiles and research outputs. If you are excited about building data systems, enjoy solving messy research problems, and want to contribute to a project that measures the scientific impact of global innovation efforts, we encourage you to apply.

### Skills and Experience:

- Demonstrated experience with structured and unstructured datasets
- Strong proficiency in Microsoft Excel and/or Google Sheets
- Experience building datasets or databases from scratch
- Familiarity with Scopus, Web of Science, Google Scholar is strongly preferred
- Ability to use AI tools or large language models to solve technical or data-related problems.
- Strong research skills, including the ability to verify identities and reconcile incomplete data.
- Exceptional attention to detail and commitment to clean, organized data management.

**Project Overview:** This internship offers a unique opportunity to help shape the future of XPRIZE competitions. The resulting dataset will serve as a long-term internal resource used to quantify research contributions, track academic influence, and evaluate the broader scientific impact of XPRIZE competitions.

### Internship Activities/Tasks:

- Identify and verify Scopus author IDs for individuals participating in XPRIZE teams.
- Extract and organize publication and citation data associated with those author profiles.
- Build and maintain a clean, structured dataset linking researchers to their publications and citation metrics.
- Resolve identity matching challenges (e.g., author name ambiguity, multiple affiliations, duplicate records).
- Use AI tools, LLMs, and APIs to accelerate data extraction, validation, and workflow automation.
- Design efficient data collection workflows for assembling and updating the dataset.
- Ensure top standards of data accuracy, consistency, and organization.
- Document the methodology and structure of the dataset so it can be maintained and expanded in the future.
- Periodically report progress and insights during weekly project check-ins.

### Learning Outcomes:

- Hands-on experience building a large research dataset from primary academic sources.
- Deep exposure to bibliometric analysis and academic publication data systems.
- Practical experience using AI tools to accelerate research and data workflows.
- Insight into how research outputs connect to global innovation competitions and scientific impact.

If you are ready to take on this challenge, we look forward to receiving your application at [xprizehub@ucalgary.ca](mailto:xprizehub@ucalgary.ca).