# Postdoc position in HCI and SE in Montreal

The Open Source Software Usability (OSS-U) project jointly hosted at McGill University and Polytechnique Montreal is seeking a Postdoctoral Researcher.

**Supervisors:**
**Jin Guo**, **PhD** ([http://jguo-web.com](http://jguo-web.com)), McGill Software Technology Lab, School of Computer Science, McGill University

**Jinghui Cheng, PhD** ([https://jhcheng.me](https://jhcheng.me)), Human-Centered Design Lab, Department of Computer and Software Engineering, Polytechnique Montréal

**Job description:**
The postdoctoral fellow will work on a recently-funded project by Sloan Foundation. The objective of this project is to investigate methods, techniques, and tools aimed to improve the usability of large-scale *scientific open source software*, in particular through the early engagement of software users. The postdoctoral researcher will take a key leadership role in investigating and designing methods and techniques that (1) reason usability-related discussions, (2) scaffold end users in providing more effective usability feedback, and (3) facilitate participatory design activities in scientific OSS communities. A successful candidate will engage in day-to-day research activities, mentoring junior researchers, and helping oversee tool design and development.

Successful applicants must:
- Hold a doctoral degree in computer science, software engineering, human-computer interaction or a related field;
- Demonstrate excellence in academic track record;
- Have excellent interpersonal, written and oral communication skills.

The starting salary for this postdoc position will be $50,000/year plus benefits. The duration of this position is initially one year with the possibility of renewal.

**How to apply:**
Please submit the application package to Dr. Jin Guo ([jguo@cs.mcgill.ca](mailto:jguo@cs.mcgill.ca)) and Dr. Jinghui Cheng ([jinghui.cheng@polymtl.ca](mailto:jinghui.cheng@polymtl.ca)). Please put "*OSS-U PostDoc*" in the subject of your email. We take applications on an ongoing basis.

*Application Package:*
1. A short cover letter demonstrating fit with this research project and indicate the earliest starting date;
2. Current CV with prior publications and research experiences;
3. Copies of three publications authored by the candidate;
4. Contact information for two academic references.

**About the Research Environment:**

*[The McGill Software Technology lab](#)* investigates how to facilitate the discovery and acquisition of crucial technical, design, and domain knowledge to support the development of complex software systems. Their research areas include automated documentation generation, software traceability, software usability, advanced programming tools, and computer science education. They work at the intersection of software engineering, artificial intelligence, and human-computer interaction.

*[The Human Centered Design Lab (HCDLab)](#)* at Polytechnique Montreal investigates methods, techniques, and tools to support diverse stakeholders (e.g., designers, users, developers, and domain experts) in engaging in the collaborative user-centered design activities in various contexts, including serious games, software engineering tools, safety-critical systems, and applications involving emerging technologies such as artificial intelligence and mixed reality.

Both research labs have a distinctively collaborative culture. The multidisciplinary nature of their research projects enables the researchers to maintain strong connections with communities and experts in diverse fields both locally and internationally.

**About Montreal:**

Montreal is in the leading position of research in various fields including *artificial intelligence* and *software engineering*, hosting various research groups, institutes, and labs such as [MILA](#), [SEMLA](#), [IVADO](#), [Google Brain](#), and [Facebook AI](#).

Montreal has a very rich history and is a gorgeous, bilingual (French, English), multicultural, live city in the Canadian province of Québec. The city is also known for its many tourist attractions, festivals and events, and beautiful nature all around.