Postdoctoral Fellow at University of Waterloo

Job Description

The Waterloo HCI Lab (http://hci.cs.uwaterloo.ca) in the Cheriton School of Computer Science at the University of Waterloo invites applications for a postdoctoral fellow position in the areas of **visualization** and **human-computer interaction**. The candidate will work in the WatVis research group under the supervision of Dr. Jian Zhao (https://www.jeffjianzhao.com). The candidate is expected to establish their own research agenda on the topic areas that are agreed upon by the candidate and the supervisor. Example topics include but are not limited to:

- Intelligent systems for collaborative data analysis, communication, and storytelling
- Multimodal (e.g., Pen+Touch, AR, VR) and mobile interaction techniques
- Data-driven methods for supporting exploratory visual analysis
- Interpretable machine learning and explainable AI
- Systems and techniques for applications in data science, social computing, etc.

The candidate is expected to conduct original research and publish at top venues in visualization and human-computer interaction, such as VIS, CHI, UIST, and CSCW. The candidate is also invited to teach at most two courses per year, supervise research projects led by graduate students, and help with grant applications.

Qualifications

The candidate should have a Ph.D. in Computer Science, Information Science, or a related field. The candidate should have demonstrated experience and a strong publication record in visualization and human-computer interaction. The following technical skills are required:

- Prototyping and development skills
- Quantitative and qualitative research methods
- Knowledge of applied machine learning and data science

The salary will be commensurate with typical amounts within Canadian universities, with additional funds for conference travel, and a complete benefits plan.

How to Apply

To apply, submit the following materials in one single PDF to jianzhao@uwaterloo.ca. Please put "[postdoc application]" in the subject line.

- A cover letter that describes the candidate's research interest, motivation for the position, and short plan for their desired postdoctoral research
- An up-to-date, full curriculum vitae
- The names and email addresses for three referees

Not all submissions may receive a reply if application numbers are high. The position begins sometime during or after January 2021, upon the availability of the candidate. Work will commence remotely due to COVID-19. The position will be for one year, renewable for additional years with budget and performance allowing.

Additional Information

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 85 professorial faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the School attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the School's website for more information: https://cs.uwaterloo.ca.

The University of Waterloo regards equity and diversity as an integral part of academic excellence and is committed to accessibility for all employees. As such, we encourage applications from women, persons with disabilities, Indigenous peoples, members of visible minorities and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a "hub of innovation."