Postdoctoral Fellow at the University of Waterloo

Updated on August 26, 2024

Job Description

The WatVis research group within the Waterloo HCI Lab in the Cheriton School of Computer Science, University of Waterloo invites applications for a postdoctoral fellow position in the areas of **information visualization, visual analytics, and human-computer interaction**. The candidate will work under the supervision of Dr. Jian Zhao. The candidate will also have the opportunity to collaborate with various industry partners of Dr. Zhao. 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 data analysis, exploration, communication, and storytelling
- Interpretable machine learning and explainable AI
- Human-AI interaction/collaboration in programming
- Multimodal (e.g., AR, VR) and mobile interaction techniques
- 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 may be invited to teach at most one course 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. Top candidates could be recommended for the Faculty of Math and/or University of Waterloo prestigious postdoctoral fellow positions with more salary and benefits.

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 of two referees

Not all submissions may receive a reply if application numbers are high. The position will be for one year, renewable for additional years with budget and performance allowing.

About the School of Computer Science

The David R. Cheriton School of Computer Science, housed in the University of Waterloo's Davis Centre, brings together more than 100 professorial, emeritus and lecturer faculty members, 60 administrative, instructional and technical staff, and more than 4,000 undergraduate students and 400 graduate students. The Cheriton School of Computer Science had its origin as the Department of Applied Analysis and Computer Science, founded in 1967, and has since grown to become the largest academic computer science research centre in Canada.

We are ranked number one nationally for the fourth year in a row based on our program and research reputation according to the *Maclean's* 2024 university rankings, and among the top 25 universities internationally for computer science according to the 2024, 2023, 2022 and 2021 Quacquarelli Symonds worldwide university subject rankings.

The Cheriton School of Computer Science is home to nine Fellows of the Royal Society of Canada, ten Fellows of the Association for Computing Machinery, and seven Fellows of the Institute of Electrical and Electronics Engineers. We also have three Canada Research Chairs, two NSERC Industrial Research Chairs, as well as many winners of awards and honours from other prestigious national and international research societies and associations. Many of our faculty have been recognized for the excellence of their teaching by various awards within the Faculty of Mathematics and by the University of Waterloo.

Learn about our administrators and governing committees under Administrative structure.

You can learn about our history at quick facts and our recent achievements at annual highlights.