Assistant Programmer Co-op (May 2022)
Computational Support Team

Job Description
The Pacific Climate Impacts Consortium (PCIC) is a regional climate service centre at the University of Victoria that provides practical information on the physical impacts of climate variability and change to users and stakeholders in BC and across Canada.

The Assistant Programmer Co-op works to build software and technology as part of a multi-institutional collaborative “Data Analytics for Canadian Climate Services (DACCs)” project funded by a Canada Foundation for Innovation Cyberinfrastructure grant, and stationed at the Pacific Climate Impacts Consortium (PCIC) at the University of Victoria. Working within PCIC’s Computational Support Group, you will team up with PCIC’s application developers, authors of scientific software and System Administrator to build continuous delivery pipelines, and a system for public-facing, on-demand climate data computation.

You will be a part of a talented and dedicated team that enables access to PCIC's flagship data products and innovative web-based analysis tools. Your software will play a key role in informing government policy with respect to the impacts of climate change. Your code will help to disseminate climate change information to users and stakeholders.

Accountabilities
- Integrate existing climate analysis software into PCIC’s cloud-based, asynchronous computation platform
- Assist in near real-time climate data acquisition and management
- Assist in application development
- Collaborate with developers and scientists in a multi-organizational coalition
- Reports to the Lead, Computational Support

Knowledge, Experience, and Abilities

Knowledge
- Majoring (or prior degree) in Computer Science, Computer Engineering, Mathematics, Statistics or a related field of study, or a commensurate level of experience
- Working knowledge (able to read and write) of 2+ programming languages (e.g. Python, R, JavaScript)
- Knowledge of Big O notation and algorithm complexity analysis
- Some knowledge of climate or environmental science is a plus
- Some knowledge of cartography or Geographic Information Systems is a plus
Experience
• Experience of previous work terms for undergraduate candidates
• Experience as a Linux user
• Experience with distributed revision control software, git and GitHub
• Experience with cloud-based technologies or remote software execution

Abilities
• Ability to work effectively and collegially with others inside and outside of the organization
• Excellent communication skills, both written and verbal; ability to communicate clearly and constructively with all members of the team; ability to request help from peers and colleagues when necessary

Other Details
• Salary: Commensurate with education and experience
• Weekly working hours: Full time (37.5 hours per week).
• Start Date: This is a summer (May to August) 2022 co-op position with the possibility of extension for an additional 1 or 2 co-op terms.
• Working location: Fully remote.

Application
Please send your application including a cover letter, resume, and three professional references to James Hiebert, climate@uvic.ca, with “ATTN: Assistant Programmer co-op” in the subject line.