

**Job title: User interface and database developer**

Photonic Knowledge Inc. is seeking a candidate with expertise in user interface design, web design, database development, data visualization and geo-referenced data (GIS). The job is aimed at developing software and tools, with a small team, to be used with our hyperspectral instrument and integrated with our current software architecture. The key tasks include revamping the user interface (web-based), expanding the database, including geo-referenced data, as well as handling its maintenance and management. The candidate should be able to work autonomously, meet deadlines, take initiative and be self-directed. Employee attitude is a major consideration in our hiring process; our team is small but dynamic and engaged.

**Work culture attitudes:**

- You have a “Can Do” approach: you are optimistic and motivated, and bring both your brilliance and humility to the workplace;
- You take responsibility for your work and feel compelled to fix issues quickly;
- You understand that there’s a time for perfection, and a time for getting things done;
- You are passionate and intuitive about good design and data visualization (even scientific data);
- You like the flexibility and personality of working in a small team and open to occasionally accomplish unrelated tasks for the team (such as information technology tasks);
- You like being challenged by the unknown, new fields of knowledge, and challenging problems.

**Required skills:**

- Bachelor in computer science or any equivalent education;
- 5+ years of experience as developer and/or database maintenance;
- Ability to work with PHP (and/or Python);
- Experience in web design (e.g., XHTML, CSS);
- Design and development of database schema using PostgreSQL;
- Experience with source code control (such as CVS, SVN, Git, etc.) and production support;
- Confident programmer, ability to quickly pick up unfamiliar coding languages and challenges;
- Aptitude for collaboration in a multi-disciplinary team;
- Effective communicator in English and French.

**Who we are:**

Photonic Knowledge inc. is a young and dynamic company which has developed a worldwide, unique technology for the analysis of geological drillcore. Using its pioneering technology for hyperspectral imaging and its mobile laboratories, Photonic Knowledge inc. stands out from its competition by allowing mining companies to get instant, accurate, and high-level information at a low cost.

**Place of work:**

Our main office is located in Rosemere, Quebec, easily accessible from Montreal via commuter train.

Please include a cover letter and sample work with your resume. Portfolio of UI realizations is a plus. We will take a genuine interest in reviewing your resume, which you can send to the following address:

**By email:** [vpepin@danieldery.com](mailto:vpepin@danieldery.com)