

Machine Vision Specialist

For over 40 years ISE has been a world leader in the production of underwater vehicles. We place great emphasis on developing equipment to meet the specific requirements of each clients' unique mission. ISE's skilled team of Engineers and Technicians produce customized, mission driven vehicles that vastly out perform *off the shelf* solutions in less time and at lower costs.

ISE offers a competitive compensation and benefits package, flexible working hours and a unique work environment. If you are passionate about the Earth's oceans and the technology that enables their exploration – we would love to hear from you.

Job Description

ISE is seeking a Machine Vision Specialist for a full-time permanent position. The successful candidate will work with ISE's R & D team to create the next generation of underwater vehicles.

- Implement machine vision on unmanned underwater vehicles using various sensors (sonar, cameras, laser scanner, etc.) in a real-time application.
- Test various implementations in simulated environments and the real world.
- Adhere to ISE's software engineering best practices.
- Research state of the art machine vision developments.
- Contribute to white papers related to ISE's research developments.
- Travel (~5-10%) to conferences to remain up to date on developments within the industry and to present the work that ISE publishes.

Basic Qualifications

- BS, MS, or PHD degree in computer science, computer engineer, or a related field.
- 3+ years experience with machine vision tools such as OpenCV, tensor flow, etc.
- Experience implementing machine vision tools in a practical real-time application (professional or academic).
- Languages: C, C++, Python.
- Familiar with Linux environment.
- Proficient with software configuration management tools and practices.
- Strong written and verbal communication skills.
- Able to obtain enhanced reliability security clearance with the government of Canada.
- Able to travel internationally.
- Eligible to work in Canada.

Assets

- Experience working with sonar datasets.
- Experience working with point cloud datasets (sonar or lidar).
- Experience with SLAM and path planning.
- Comfortable working at sea.

To Apply

Please do not telephone.

Submit resume, cover letter, and writing sample to: Hiring Manager: careers@ise.bc.ca

ISE is an equal opportunity employer. ISE considers all applicants for employment without regard to race, color, religion, sex, national origin, age or disability in accordance with applicable federal, provincial, and local laws.