



Guillaume Villeneuve, P. Eng., M. Sc.

Founder and lead developer

» Custom software design and development for inspection and automation in the high-technology industry.

»»» PROFILE

Founded in 2020 in Québec City, ERIS Technologies helps high-technology companies carry out their software development projects quickly and efficiently: prototypes, R&D projects and interfaces for product control or testing. Its founder has over 10 years of experience, including more than 5 years in non-destructive testing, and has been a member of the Ordre des ingénieurs du Québec since 2014.

»»» PROJECTS

Automated X-ray image analysis software

MPP, 2025

- » Analysis and processing software for industrial images
- » Python / Qt / OpenCV

Robotic vision for automated harvesting

INO, 2021 - 2023

- » nVidia Jetson embedded software: image capture and alignment, architecture and integration
- » C++ / Python / Qt / OpenCV

Infrared image capture software

INO, 2022

- » Enhancement of a solution to detect defective infusion bags
- » Python / OpenCV / React / C++ / Yocto

Air traffic control systems

Intelcan Technosystems, 2020 - 2026

- » Touchscreen interface, embedded software and disk image deployment management
- » Linux / Qt / Python / DebOS / OSTree

»»» PREVIOUS EXPERIENCE

Consultant — developer

Larochelle Groupe Conseil, 2018 - 2019

- » Technological improvement of life insurance systems at iA Financial Group
- » C# / VB.NET / Team Foundation Server / Git

Software designer

Olympus NDT Canada, 2013 - 2018

- » Development of non-destructive testing software (OmniScan and Focus series)
- » C++ / C# / WPF / DirectX / Windows Embedded

»»» EDUCATION

M.Sc. in computer vision

Université Laval, 2012

B.Eng. in computer engineering (exchange at ESIEE Paris)

Université Laval, 2010

CONTACT

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SPECIALTIES

📷 Machine vision

⚙ Artificial intelligence

🔥 Infrared thermography

👁 Non-destructive testing

TECHNOLOGIES

</> C++

</> C#/.NET

</> Python

</> QML (Qt)

👁 OpenCV

🐧 Linux

📦 Git

TARGET INDUSTRIES

👁 Non-destructive testing

✈ Aerospace

🚚 Transportation

⚙ High-tech manufacturers

🏭 Heavy industries

PRICING

From CA\$109/hour (2026)

