

# SÉBASTIEN CABANA

COMPUTER ENGINEERING STUDENT

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- **Takes initiative with confidence:** Proactive et independent, I anticipate needs and transform challenges into opportunities through quick and effective action.
- **Positive leader:** I inspire and motivate teams by fostering collaboration and guiding everyone towards achieving common goals.
- **Creative and innovative:** I propose innovative and original solutions thanks to my ability to think differently and explore new approaches.
- **That's why I am the right person for you!**

## EDUCATION

### Bachelor's Degree | In Progress

#### Computer Engineering

Université du Québec à Trois-Rivières

### College Diploma (DEC) | 2023

#### Computer Science and Mathematics

Cégep de Saint-Jérôme

## PROFESSIONAL EXPERIENCE

### Research Assistant | 2025 - Present

Université du Québec à Trois-Rivières, Trois-Rivières

- Writing technical guides and producing educational video tutorials for the use of devices and software in electrical engineering.
- Design of a complex analog printed circuit board as a demonstrator for students.
- Project management with task tracking and autonomous prioritization in a research and development environment.

## INVOLVEMENT AND VOLUNTEERING

### President | 2025-2026

IEEE St-Maurice Section Student Branch

### Co-Vice-President | 2025-2026

Machine Competition of the Engineering Games

### Head of Delegation | 2024-2026

CS Games

### Director of Technology | 2025-2026

Organizing Committee for the Congress on Sustainable Development in Engineering

### Treasurer | 2024-2025

IEEE St-Maurice Section Student Branch

## SKILLS

### • Languages

C/C++, C#, CUDA, LADDER, Shell, VBA, VHDL

### • Tools and Software

Altium Designer, Git, MATLAB, RSLogix 500, SolidWorks, STM32Cube IDE, Vivado

## NOTABLE PROJECTS

### Machine Competition of the Eng. Games

Student Project | 2024 to 2026

### Analog Audio Amplifier Circuit

Electrical Engineering Internship | 2025

### Boolean Equation Simplification Algorithm in C

Personal Project | 2024

### Implementation of an Adaptive Cruise Control on an Electric Scooter

College Final Year Project | 2023

## AWARDS AND HONORS

### Highest GPA in the Program | 2023-2025

Université du Québec à Trois-Rivières

### "Stars du Réseau de la santé" Award | 2024

Développement d'un outil informatique innovant

### Highest GPA in the Program | 2019-2023

Cégep de Saint-Jérôme

### Governor General's Academic Medal | 2019