Shawn Carrier

From: Levis, Quebec, Canada

Languages: English (native), French (native), and Spanish (basics)

LinkedIn: http://linkedin.com/in/shawn-carrier-a28005243

EDUCATION

- **Stanford University - MS in Structural Engineering** (2026-2028)
- **FE Civil Exam – Completed and Passed in May 2026**
- **University of New Brunswick – BSE Civil Engineering** (2021 – 2026)
  - **Cumulative GPA: 4.2/4.3**
  - **Main Awards:**
    - x2 NSERC Undergraduate Student Research Award (2024 and 2025)
    - CSCE Certificate of Achievement (top graduating Civil Engineering student based on the last two years)
    - Dean's List (2021/2022, 2022/2023, 2023/2024, 2024/2025, 2025/2026)
    - Other Awards are displayed on my transcript (20 in total, excluding USRAs and Dean's List)
- **Enforex** – Spanish classes in Spain (Summers of 2017, 2018, and 2019)

WORK EXPERIENCE

- **May 2025 – August 2025:** UNB Smart Structures Research Group – Undergraduate Research – **received an NSERC USRA**
- **May 2024 – August 2024:** UNB Smart Structures Research Group – Undergraduate Research – **received an NSERC USRA**
- **January 2024 – Present:** Gestion Shawn Carrier inc. – Owner
- **May 2023 – August 2023:** ARPO Groupe Conseil – Field Supervisor / Civil Engineering
- **June 2019 – August 2022:** Enviro-Confort – Assistant Warehouse Manager
- **May 2018 – June 2020:** McDonald's – Team Leader / Instructor

RESEARCH WORK

- **Undergraduate Research – UNB Smart Structures Research Group**
  - I programmed a MATLAB app to visualize and label accelerometer and strain sensor data from an instrumented bridge. This app is demonstrated in Figures 1 and 2 in the Appendix.
  - I automated drone routes to document a bridge load rating test. I also assisted in preparing and performing this test.
  - I started a pilot study in which a Waveshare UGV rover is used to identify dynamic properties of structures (such as natural frequencies) while extracting a 3D map of the environment. Pictures displaying this rover are shown in Figures 3 and 4 in the Appendix.

GESTION SHAWN CARRIER INC.

- Gestion Shawn Carrier inc. is a Canadian company that I started outside of school. Its main business activities consist of investment in real estate. Accounting and managerial tasks have been delegated to third parties while I am in the US.

APPENDIX – SUPPORTING IMAGES

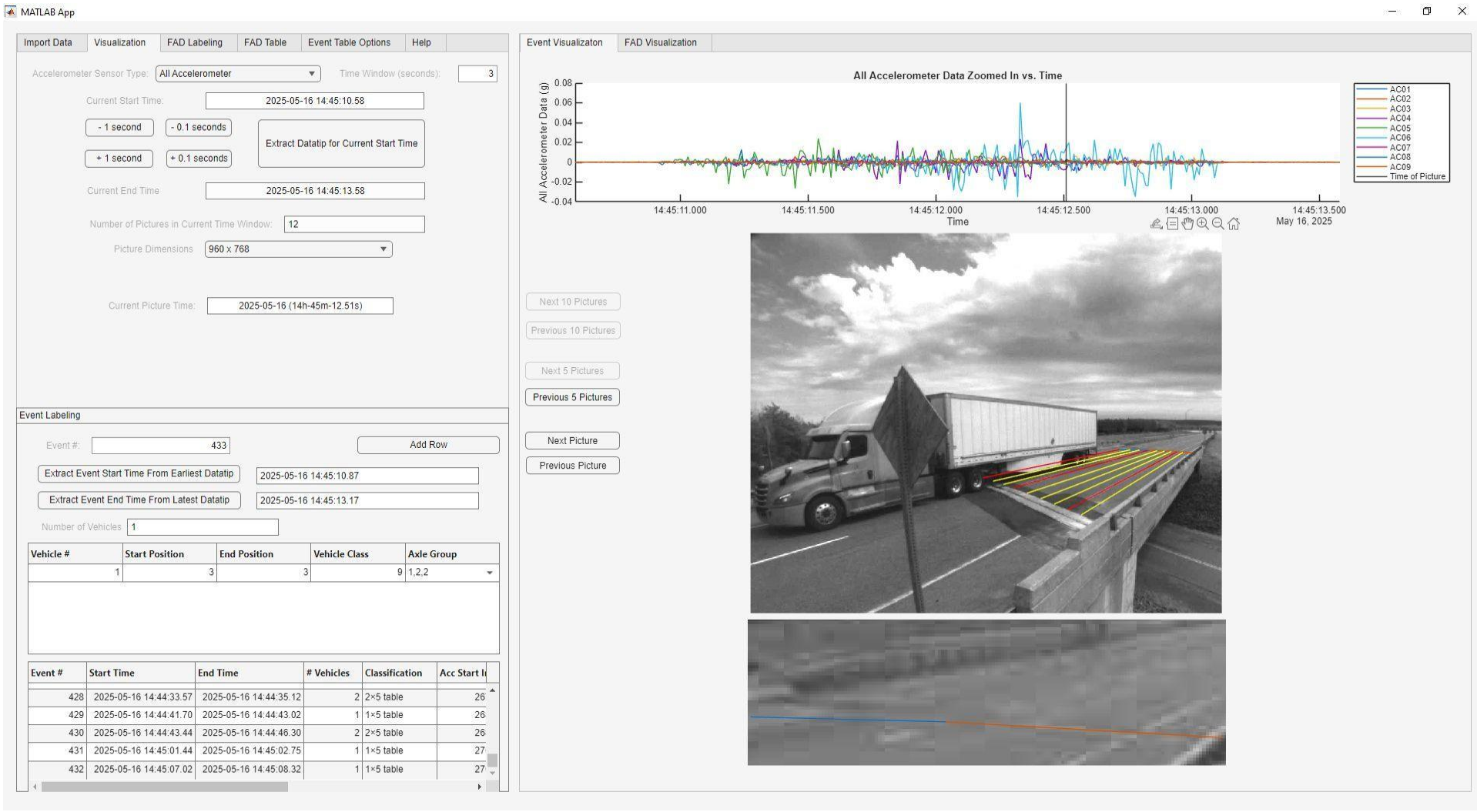


Figure 1: MATLAB App (1/2)

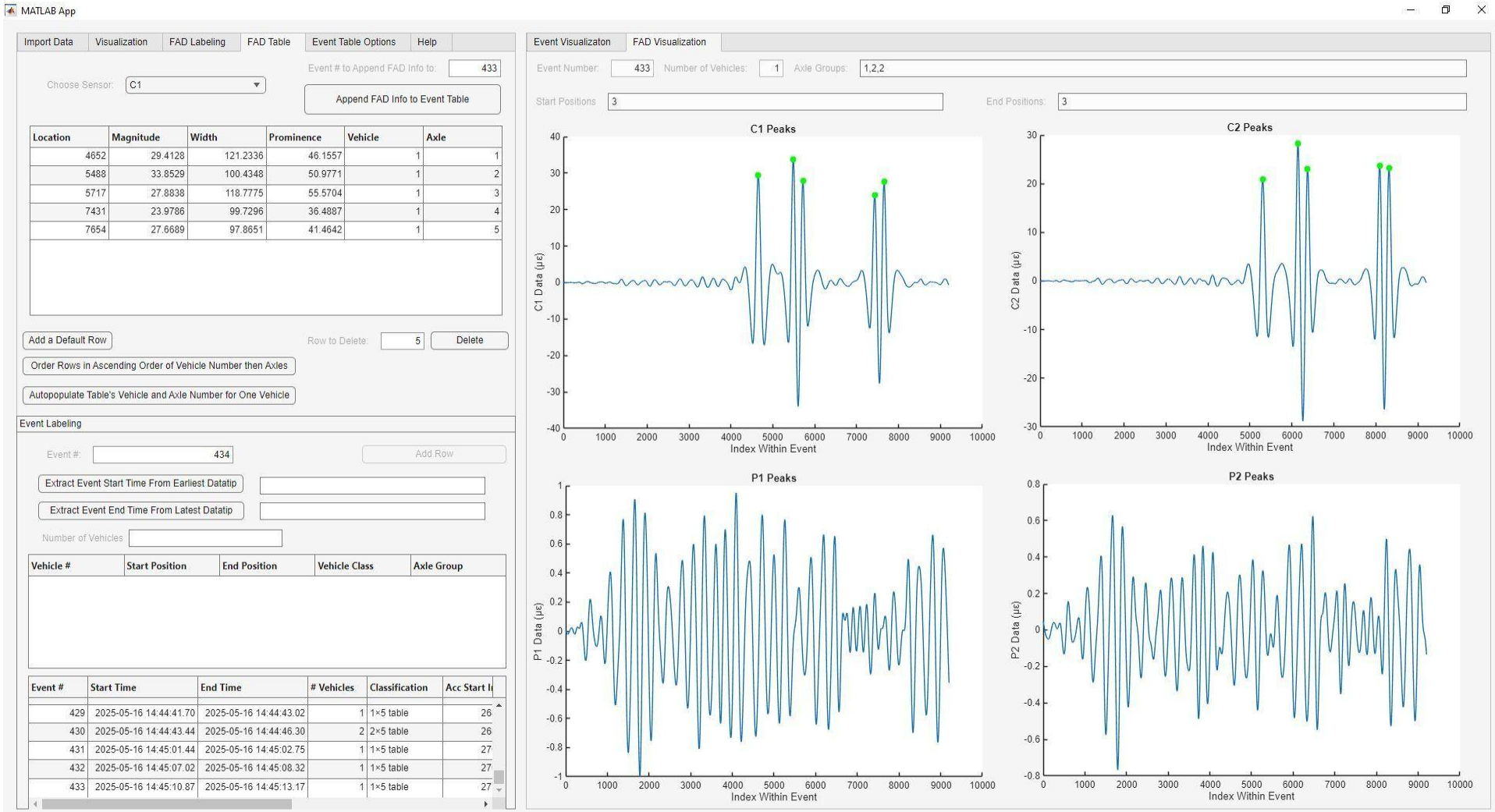


Figure 2: MATLAB App (2/2)



Figure 3: UGV Rover Platform

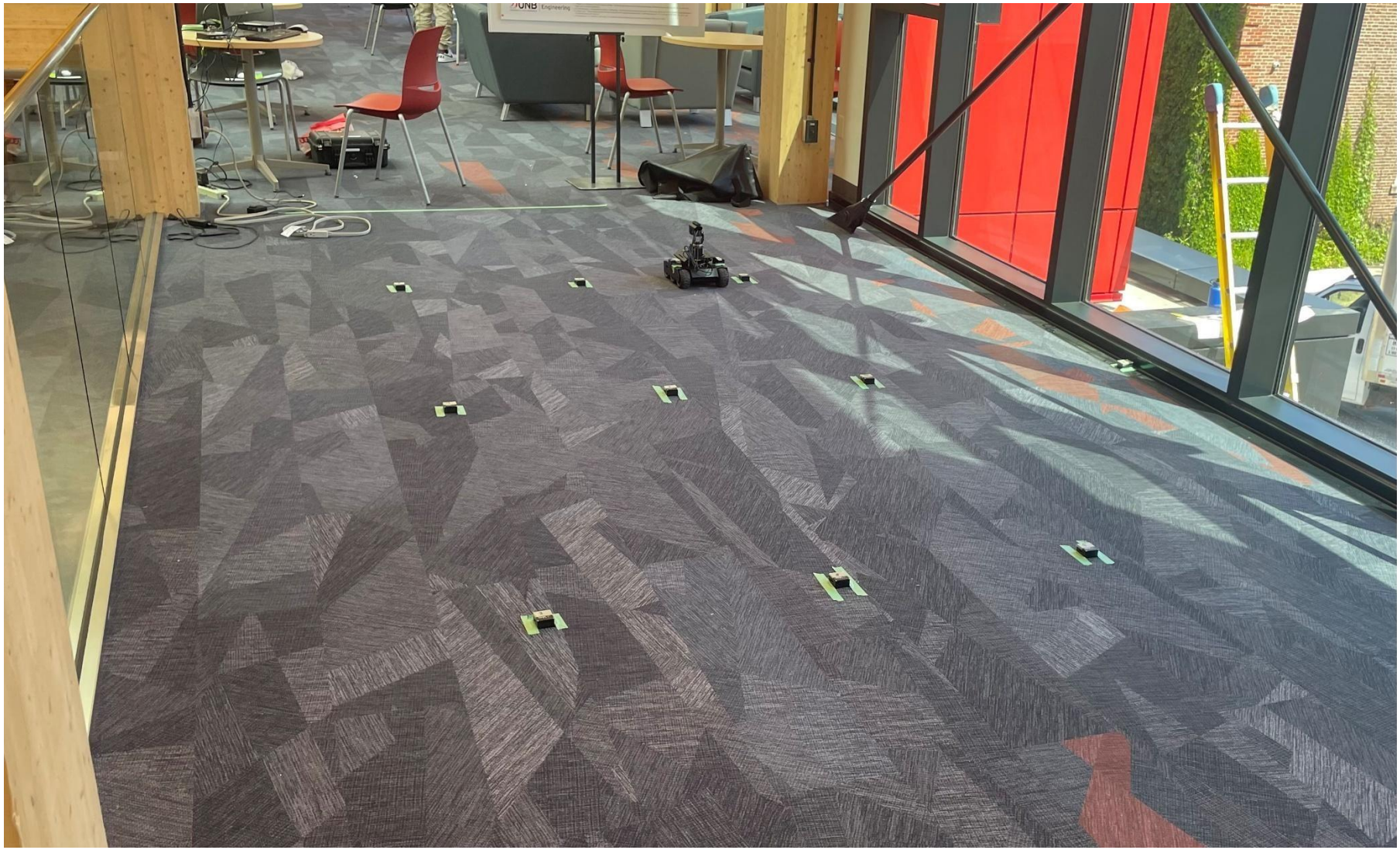


Figure 4: UGV Rover Platform Mounted with Accelerometers and Compared to Stationary Accelerometers