Will Ross

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EDUCATION

University of New Brunswick   Fredericton, NB
Bachelor of Science in Software Engineering   *Sep. 2022 – May 2026*

New Brunswick Community College   Saint John, NB
Mechanical Engineering Technology   *Sep. 20202 – May 2022*

EXPERIENCE

Software Developer   May – Aug. 2023 / 2024
JD Irving   *Saint John, NB*
- Developed full-stack applications used by thousands of users across the organization
- Developed custom CRMs with Azure functions and cloud solutions
- Implemented solutions that improved productivity and streamlined workflows

Software Developer   Sep. 2024 – Present
University Of New Brunswick   *Fredericton, NB*
- Developed a Python-based software tool for advanced geological and mathematical computations
- Migrated legacy systems from MATLAB, C, and C++ to Python, optimizing workflows and ensuring cross-platform compatibility
- Designed algorithms to handle large datasets and perform complex numerical analysis efficiently.

PROJECTS & COMPETITIONS

Interactive Solar System | *HTML/CSS, JavaScript, Three.js, Azure Web Services*   Jan. 2023 – Feb. 2023
- Built a 3D website using Three.js to visualize the solar system with realistic planetary orbits and features like Saturn's rings.
- Implemented animations and educational content to enhance user engagement and learning.

UNB Student Project Manager | *React, PostgreSQL, Spring Boot, REST APIs, Git*   Sep. 2024 – Present
- Developed a platform for managing student projects, allowing professors to view teams, add metrics, and track progress.
- Designed a responsive React dashboard with personalized views and metrics visualization.

Hackfest | *Quebec City, QC*   Oct. 2024
- Participated in a competitive cybersecurity hackathon, solving complex CTF challenges.
- Gained experience in collaborative problem-solving and advanced cybersecurity concepts.

EXTRACURRICULAR ACTIVITIES

UNB Cyber Security Club   Sep. 2024 – Present
- Participate in regular meetups, workshops, and cybersecurity competitions
- Contributed to building a strong community of tech enthusiasts on campus

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, JavaScript, TypeScript, HTML/CSS, MATLAB
Frameworks: React, Node.js, Flask, .NET, Material-UI, Microsoft Power Platform
Technologies & Tools: Git, Docker, Azure, Burp Suite, Kali Linux, ZAP, Wireshark