RAYANN SAGNON

ELECTRICAL ENGINEERING | SYSTEMS ENGINEERING | ELECTRONICS & TELEMETRY

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PROFILE

Second-year electrical engineering student specializing in systems engineering at the University of Ottawa. Experience with circuit measurements and technical support. Contribution to the schematic and PCB layout of a telemetry board with uOSupermileage's electrical team.

EDUCATION

Bachelor of Applied Science in Electrical Engineering | Systems Engineering specialization
University of Ottawa, Ottawa | September 2025 - April 2029 | Management and Entrepreneurship option
Relevant coursework: Circuit Theory I (ELG 2138, in progress), Calculus I (MAT 1341), Calculus II (MAT 1722).

TECHNICAL SKILLS

Electronics: resistive circuits, Ohm's and Kirchhoff's laws, voltage dividers

PCB Design: KiCad, Altium Designer (basic familiarity), schematics, PCB layout

Simulation and Instrumentation: Multisim, multimeter, oscilloscope, function generator

Programming and Development: Python, Java, JavaScript, HTML/CSS, SQL (basic), Git/GitHub, Jupyter, Arduino IDE

IT Systems and Tools: Ubuntu, Windows imaging, TOPdesk, Snipe-IT

Languages: French (native), English (upper-intermediate), Spanish (basic)

TECHNICAL PROJECTS

Electrical Team Member, Telemetry September 2026 to Present
uOSupermileage
- Contribution to the schematic and PCB layout of a telemetry board in Altium (in progress).
- Participation in soldering, assembly, and vehicle efficiency tests, in coordination with the mechanical and software teams.

Circuit Theory Laboratory Fall 2026
ELG 2138 - University of Ottawa
- Analysis of resistive circuits and validation of measurements using Multisim, a multimeter, and an oscilloscope.

TECHNICAL EXPERIENCE

IT Support Assistant January to April 2026
Faculty of Engineering, University of Ottawa | Ottawa
- Troubleshooting hardware, software, and network issues; preparing Windows images and supporting computers and peripherals.
- Managing requests in TOPdesk, tracking inventory in Snipe-IT, and documenting recurring issues.

Online Training and Engagement Assistant May 2026 to Present
Human Rights Office, University of Ottawa | Ottawa
- Managing a 104-page Brightspace library and creating instructional content with HTML, CSS, and JavaScript, including 20+ videos.
- Applying WCAG 2.0 AA guidelines and quality standards to digital resources.

IT and Facilities Coordinator September 2023 to June 2025
Les Lauréats School Group | Ouagadougou, Burkina Faso
- Supporting school IT infrastructure (computers, printers, and network), installations, and software updates.
- Training 50+ teachers and students to use digital tools.

AWARD

1st place at the Orange Burkina From Scratch Hackathon (2022), among 135 participants. Development of a medical appointment scheduling prototype as lead developer on a five-person team.