Yurii Potsiluienko

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EDUCATION

Carleton University — **September 2025 – April 2029 (expected)**
Bachelor of Engineering in Electrical Engineering — Ottawa, ON

University of Waterloo — **April 2023**
Bachelor of Science in Life Physics — Waterloo, ON

SKILLS

Design Tools: KiCad
Languages: Python, MATLAB, C, C++
Hardware: Arduino, Raspberry Pi
Lab equipment: Oscilloscope, function generator, multimeter

EXPERIENCE

Ice Hockey and Skating Instructor — **January 2026 – Present**
Carleton University Department of Recreation and Athletics — Ottawa, ON

- Leading structured on-ice sessions for diverse groups, focusing on skill development and participant engagement.
- Coordinating with staff to manage attendance and refine lesson plans, ensuring a high-quality experience for all participants.

STEM Data Annotator — **February – October 2025**
Cohere — Remote

- Assessed AI-generated outputs for accuracy and instruction following, including the annotation of multi-modal datasets for model training.
- Proposed process refinements that improved review efficiency by 30% while maintaining high data quality standards.

Teaching Assistant — **September 2023 – December 2024**
Department of Physics and Astronomy, University of Waterloo — Waterloo, ON

- Led physics tutorial and laboratory sessions for 500+ undergraduate students, fostering an engaging and supportive learning environment.
- Graded assignments, quizzes, and exams, ensuring fair and timely feedback.

PROJECTS

FPV drone | Soldering, RF systems — **January 2026 – Present**

- Assembling and configuring a high-performance FPV drone, including selecting and soldering core components and flashing firmware (Betaflight).

Ultrasonic radar system | Arduino, C++, Python (GitHub) — **February 2026**

- Engineered a scanning radar system using a servo and ultrasonic sensor, as well as a temperature and humidity sensor to calibrate the speed of sound for increased accuracy.
- Developed a Python-based GUI to visualize real-time sensor data through a 2D map of the environment.

Firewood delivery business website | HTML, CSS, Python, Flask — **February – March 2025**

- Built a custom business website from scratch using Flask, HTML, and CSS to display pricing and services.