Bogdan Kutsenko

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Education

Lassonde School of Engineering, York University — Toronto, ON
Bachelor of Engineering (Honours), Mechanical Engineering — 2023 – 2027

Work Experience

Steamoji Kelowna, Robotics Curriculum Developer | *VEX IQ, VEXcode IQ* — July 2026 – Present
– Authoring step-by-step robotics curriculum for learners aged 12 and up across VEX IQ, Dogzilla Lite, myCobot 280, and Litebee drone platforms, including an eight-project VEX IQ autonomous programming series.

FanRyng, Strategy Lead — August 2026 – September 2026
– Analyzed college basketball fan bases to build a state-by-state mini-game and prize strategy for a fan platform.

Owning My, Client Acquisition Researcher — April 2026 – May 2026
– Researched client acquisition channels for an AI coaching business and delivered a written Growth Strategy Report.

Avtopodborro, Automotive Export Assistant — May 2025 – September 2025
– Conducted vehicle inspections and prepared shipment documentation to meet international export standards.
– Negotiated with clients and suppliers overseas and coordinated inventory records with sales teams.

Harvel Solutions, Construction Worker (Masonry & Tile) — August 2024 – September 2025
– Interpreted technical drawings to assist with equipment installation and site documentation.
– Assisted in HVAC system troubleshooting while maintaining safe and efficient job site operations.

The Home Depot, Lot Associate — Summer 2024
– Assisted customers with equipment and product support while safely handling lumber, steel, and concrete.

Projects

Personal Portfolio Website | *HTML, CSS, JavaScript, Git, Vercel* — Fall 2026
– Built and deployed a responsive site using Claude Code and GitHub Copilot, with Git and Vercel hosting.

AI Content & Lead Tools | *Python, Claude API* — Fall 2026
– Built Python tools using the Claude API to generate content and business leads; published on GitHub.

IoT Solar Tracking System | *Arduino MKR 1010, Sensors, CAD* — Winter 2026
– Designed and built a floating solar platform with autonomous sun tracking to improve energy capture.
– Integrated light sensing with dual-axis servo actuation and implemented wireless monitoring via Arduino IoT Cloud.

Automated Security and Object Tracking System | *LabVIEW, DAQ, Sensors* — Fall 2025
– Built a LabVIEW control system integrating ultrasonic sensors and DAQ hardware for two-axis object tracking.
– Documented calibration and testing results and prepared improvement notes for future iterations.

Remote-Controlled Medical Rover | *Arduino, Ultrasonic Sensors* — Winter 2025
– Designed and prototyped a medical transport rover with Ackermann steering for navigation and obstacle avoidance.
– Recorded test data, created wiring diagrams, and wrote build and troubleshooting documentation.

Skills

Programming	Python, Java, Arduino (C/C++), HTML/CSS, JavaScript (basic), VBA (basic)
Hardware	Arduino, servo motors, ultrasonic sensing, DAQ systems, basic control systems
Software	SolidWorks, AutoCAD, Fusion 360, LabVIEW, MATLAB, Arduino IDE, Microsoft Excel, Git/GitHub
Coursework	Thermodynamics, Fluid Dynamics, Heat Transfer, Dynamics, Vibrations, Control Systems, Machine Elements Design, Mechanics of Materials, Simulation Tools for Design and Analysis

Extracurricular

GDG YorkU: Selected for an AI and infrastructure event at Google Toronto HQ (Aug. 2026)
Lassonde Bridge Building Competition: 2nd place with a structurally optimized bridge under strict load limits (2023)