

LUKAS GILL

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Etobicoke, ON

SKILLS

Design & CAD

SolidWorks, Onshape, Fusion 360

Fabrication & Materials

Wood, metal, plastics, CNC machining, welding, vacuum forming

Prototyping & Systems

3D printing, 3D scanning, foam modeling, soldering, PCB design, hardware integration

Visualization

Hand sketching & rendering, KeyShot Studio, Illustrator, Photoshop

CERTIFICATIONS

- DELF B1 French Certificate – Oct 2024
- National Lifeguard Service (NLS), Lifesaving Society – Nov 2021
- Standard First Aid with CPR-C – Aug 2021

EDUCATION

Humber Polytechnic, Toronto, ON

Bachelor of Industrial Design
Sept 2024 – Present

Courtice Secondary School, Courtice, ON

Ontario Secondary School Diploma
Sept 2020 – Jun 2024

EXPERIENCE

Valleymede Columbus Golf & Country Club, Columbus Marshal | Starter | Cart Attendant • Apr 2024 – Present

- Checked receipts, explained course rules, and coordinated tee-off times
- Ensured smooth pace of play, assisted golfers, and maintained course flow
- Cleaned and staged carts, as well as coordinated the delivery of said carts

The Aqualife Swim Academy, Oshawa Swim Instructor • Mar 2023 – Jun 2024

- Sole instructor and lifeguard during private and semi-private lessons
- Taught swimming techniques while ensuring safety and confidence in the water
- Provided personalized instruction tailored to each student's skill level

Cedar Park Resort, Bowmanville Lifeguard (Waterpark) • Jun – Sept 2023

- Rotated through multiple lifeguard stations in a high-traffic waterpark environment
- Enforced safety rules and supervised slides, pools, and play areas
- Performed rescues, administered first aid, and completed incident reports

PROJECTS

MC_01 Audio-Integrated Lounge Chair Jan – May 2026

- Designed and fabricated a polished 2" stainless steel frame with black leather cushion lounge chair, integrating a full 2.1 audio system
- Developed complete system including CNC plywood bases, foam and leather upholstery, speaker enclosures, and mounting hardware
- Modeled full assembly in CAD and built integrated electronics system with wiring, controls, and active cooling

Rocket-Bunny Miata - Design and Fabrication Build Sept 2022 – Present

- Redesigned door handles via surface modeling to integrate linear-actuator popping system. Followed the original design language whilst streamlining slightly
- Reverse-engineered the rear end via 3D scan to design fully custom 3-bulb taillights and a ducktail spoiler; printed, smoothed, and painted both to a factory-fit finish
- Redesigned pop-up headlight system: 3D printed brackets and surrounds to fit rectangular 4x6 headlights, welded shortened cam-arm, custom rod linkage for faster travel, custom STM32+Mosfet based 4-layer PCB for controlling via the OEM switch
- Also designed/fabricated: Custom 2.1 audio system, Ashtray wireless charger, removable cup holder, tombstone audio-visualizer cubby, turn signal intakes