

Oleksandr Kuraiev – Industrial/Mechanical Designer

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Vaughan, ON L6A 2M8

(647) 5648877

SUMMARY

Dynamic and Hardworking Professional Industrial/Mechanical Designer with 9 Years of Experience In Wide Range Products Development with Extensive Hands-On Proven Experience in Broad Fields.

- Experienced in product design, validation, and approval according to regulations.
- Lead mechanical design teams for NPI projects.
- Designed electromechanical customer products using different manufacturing technologies.
- Knowledgeable in different production technologies.
- Extensive experience in mechanical design and implementing of GD&T according to ASME Y14.5.
- Co created of patents no: US20210178073A1; WO2021090314A1; EP4104153A1 .

WORK EXPERIENCE

Mechanical Design Engineer Elbit Systems

www.elbitsystems.com

07/2022 – 04/2023
Rehovot, Israel

Elbit Systems is international defense electronics company engaged in a wide range of programs throughout the world.

- Designed antenna radomes for Hermes 900 UAS, using composite materials (carbon fiber, fiberglass)
- Designed brackets for additional internal avionic systems and devices according to specific technical assignment. Brackets were designed to be manufactured with CNC and/or composite materials.
- Was part of an engineering team for mechanical anti-freeze and anti-vibration system of radomes.
- Created drawings and supporting documentation to ensure compliance with company design standards and customer specifications.

Industrial/Mechanical Designer A2Z-Design Innovation and Development

www.a2z-design.com

11/2017 – 05/2022
Tel Aviv, Israel

A2Z-Design is an industrial design and engineering studio specializing in wide variety of products, creating from design research up to mass production. At A2Z-Design I managed many multidisciplinary projects that consist of Hardware design, Firmware design, Mechanical design, Sheet metal design, and Electrical systems design.

- Managed and performed prototyping, highly detailed documentation, coordination of manufacturers for best performance and understanding of product, overseen manufacturing of products.
- Developed products for mass production in automotive, military, education, commercial, construction and medical fields.
- Proficient with wide variety of technologies such as bending jugs, plastic injection, CNC milling, and various 3D printing technologies.
- Coordinated design activities and presented detailed design reviews including preparation of DFMEA. Reviewed DFM of mold tools, evaluating all aspects of design and tool properties.
- Designed and developed low profile intermuscular auto-injector device (patent number US20210178073A1) for a hand-held device for the emergency treatment of anaphylaxis.
- Designed smart nutrition technology that combines dietary tracking with controlled dispensing of vitamins and supplements - Nutricco. In this project I took part in development of patented technology dispenser for medications, food additives and supplements (patent number WO2021090314A1).
- Took part in developing secured process purchase device for fashion retail and E-commerce shopping experience. The device includes patented system and method for securing an item (patent number EP4104153A1)

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Industrial Designer

Alisa Sheinson Studio

www.alisa-sheinson.com

02/2016 – 11/2017

Herzlia, Israel

Alisa Sheinson Studio – multidisciplinary studio for light art, interior design, wayfinding design, and product design.

- Designed light fixtures , light sculptures, custom light devices, and projectors.
- Performed 3D simulations of light fixtures using CAD software and Blender.
- Designed and built lighting masterpieces for exhibitions, including early prototypes, light mechanism test, and 3D model sketches.
- Developed and produced electrical schemes and circuits .

Jewelry Designer

Geraldo Jewellery

www.geraldojewellery.com

05/2014 – 01/2016

Ramat Gan, Israel

Geraldo jewellery creates and manufactures limited edition diamond jewel collections, custom-made jewelry, and diamond-studded accessories.

- Provided creative design of unique jewelry pieces from hand sketch to completed piece of art.
- Designed jewelry pieces, composed of multitude of precise parts made with precious metals casting. Overseen assembling, stone setting, and final treatment of each piece.
- Provided jewelry pieces assembling manuals, including stone setting maps for jewelers.
- Development of gem cutting schemes for invisible setting (method of setting gems, in which a mosaic-like array of stones seems to float seamlessly in a piece).
- Designed and managed jewelry assembling and gem cutting tools.
- Designed versatile jewelry pieces combined of several parts, materials, and lock systems.

Product Designer

New Safari Environmental Sculpturing

www.new-safari.com

06/2007 – 09/2012

Ashqelon, Israel

New safari - sculpture and environmental branding for roundabouts, parks, playgrounds, municipal and pedestrian zones.

- Development of documentations and plans for building open molds, specially designed for composite materials.
- Design of fastenings and sculpture foundations.
- Expert in airbrush coloring technology, durable for outside weather conditions on big and small objects.
- Proficient with infant and child health and security standards and regulations for environmental sculptures.

Education

Bachelor of Industrial Design

HIT - Holon Institute of Technology

Holon, Israel, graduated 2016

Electronic and Electrical Technician Diploma

Technological College Kfar Zvi Sitrin

Israel, graduated 2004

Military Service

Electro Optic Technician

Inspection and repair of Anti-Tank Guided

Missile Systems: Tow-2 and Spike

2004-2007

Israel