

# MAZEN IBRAHEEM OMIRA

*Industrial Designer & 3D Visualizer*

6th of October City, Giza, Egypt | +20 101 002 3675 | mazenibraheemomira@gmail.com

## PROFESSIONAL SUMMARY

Results-driven Industrial Designer and 3D Visualizer with a B.Sc. in Industrial Design from Helwan University and hands-on experience spanning product design, technical engineering, and architectural model making. Proficient in SolidWorks, Blender, KeyShot, and AutoCAD. Demonstrated ability to deliver high-quality 3D renders, production drawings, and design solutions for manufacturing environments. Committed to sustainable, user-centered design that balances aesthetics, function, and cost efficiency.

## PROFESSIONAL EXPERIENCE

### Industrial Design Intern

**Electrolux Home Appliances (Zanussi)** | Cairo, Egypt | Sep 2024 – Oct 2024

- Collaborated with senior designers on new home appliance product design projects, contributing to concept development and design iteration.
- Partnered with the R&D team to align design specifications with technical and manufacturing requirements.
- Produced photorealistic 3D product renders for visualization, marketing, and stakeholder presentations using Blender and KeyShot.
- Applied user research and market research methodologies to inform design decisions and validate concepts.
- Gained comprehensive exposure to end-to-end production stages from ideation through manufacturing.

### Technical Office Engineer

**FERINOX Metal Fabrication** | Egypt | Jan 2023 – Apr 2024

- Engineered detailed 3D models and assemblies using SolidWorks for complex metal fabrication components, reducing design errors during production.
- Created photorealistic 3D renders for product visualization and client presentations, accelerating approval cycles.
- Developed precise production shop drawings and fixation drawings in compliance with engineering standards.
- Managed the technical office department, coordinating workflows and cross-functional communication between design and production teams.
- Implemented cost-control strategies for procurement budgets, identifying cost-saving opportunities and improving operational efficiency.

### Industrial Design Intern

**JETCAR KROMH EG** | Egypt | Jul 2022 – Nov 2022

- Designed innovative boat concepts inspired by automotive aesthetics, applying form and ergonomic principles to marine product design.
- Developed 3D models using SolidWorks, iterating designs in collaboration with production engineers.
- Applied ergonomics principles and international safety standards throughout the design process.

### Architectural Model Maker & Artist

**Paolo Studio for Landscape, Architecture & Models** | Egypt | Jul 2019 – Oct 2021

- Translated architectural blueprints and technical drawings into detailed, accurate 3D physical scale models for client presentations.
- Utilized advanced fabrication technologies including 3D printers, CNC machines, and laser cutters for precise model production.
- Selected and applied diverse materials (wood, foam, plastic composites) to create realistic, high-fidelity architectural representations.
- Executed high-quality finishing techniques including painting, texturing, and landscaping detailing to enhance visual impact.

- Collaborated directly with architects and designers to ensure models accurately captured project intent and design concepts.

## EDUCATION

---

### B.Sc. in Industrial Design

Faculty of Applied Arts, Helwan University, Cairo, Egypt | Oct 2019 – Jul 2024

- Graduation Grade: Very Good
- Graduation Project: Design of a Sustainable Tractor for Small Agricultural Areas — Grade: Very Good

## TECHNICAL SKILLS

---

**3D Modeling & CAD:** SolidWorks, Blender, AutoCAD

**Rendering & Visualization:** KeyShot, Blender Cycles/EEVEE

**Drafting & Documentation:** SolidWorks Drawings, AutoCAD, Sketchbook Pro

**Fabrication Technologies:** 3D Printing, CNC Machining, Laser Cutting, Physical Prototyping

**Presentation:** PowerPoint, Visual Storytelling

## CORE COMPETENCIES

---

Product Design • Industrial Design • Design Thinking • 3D Visualization • Sustainable Design • User-Centered Design • Ergonomics • Physical Prototyping • Production Process Management • Cross-Functional Collaboration • Cost Control • Technical Documentation • Visual Presentation

## LANGUAGES

---

**Arabic:** Native Proficiency | **English:** Conversational (B1–B2)