

Menna Tallah Tawfik Farouk Tawfik

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Professional Summary

Creative and detail-oriented Industrial Design graduate (2025) with hands-on experience in product design, reverse engineering, and 3D modeling, along with practical exposure to furniture shop drawings, cutting lists, and manufacturing coordination. Skilled in translating concepts into functional, execution-ready designs, with a strong understanding of technical drawing, assembly methods, and production processes.

Education

- Benha University – Qalyubia, Egypt**

Bachelor's Degree, Industrial Design – Faculty of Applied Arts

Graduated 2025 | Excellent with Honors | GPA: 3.54 / 4.0

Academic Project

Sustainable Fishing System – Graduation Project, Faculty of Applied Arts (2025)

- Designed an integrated fishing vessel system aimed at enhancing fishing efficiency while maintaining environmental sustainability.
- Created conceptual and technical designs using AutoCAD and Rhinoceros.
- Produced functional prototypes simulating the final product form and operation.
- Focused on renewable energy integration, sustainable materials, and live fish storage solutions.

Professional Experience

- Technical Office Engineer – Furniture & Woodworks**

Zahra Furniture – Egypt | 08/2025 -(Present)

- Prepared shop drawings and execution drawings for furniture and woodwork projects
- Created detailed cutting lists for wooden components
- Performed material take-offs for wood panels and furniture accessories
- Utilized Opti Cut software to optimize cutting plans and reduce material waste
- Coordinated with design, technical office, and production teams
- Reviewed dimensions and specifications prior to fabrication to ensure accuracy

- El Araby Group – Egypt**

Industrial Design Intern | 07/2024 – 09/2024

- Designed products from initial sketches to 3D modeling, ensuring alignment with functional and aesthetic requirements.
- Created and refined prototypes to validate design concepts.
- Translated ideas into detailed technical drawings for manufacturing.

- Tawkol Metal Industries – Egypt**

Industrial Design & Reverse Engineering Intern | 01/2024 – 05/2024

Conducted reverse engineering for plumbing products using Rhinoceros software.

- Tawkol Metal Industries – Egypt**

Decorative Project Coordination Intern | 07/2024 – 08/2024

- Coordinated decorative project designs and supervised production stages from concept to delivery.
- Prepared comprehensive Bill of Materials (BOM) for multiple projects.

Technical Skills

- Design & Development:** Product Design, Reverse Engineering, 3D Modeling, Concept Sketching, Prototyping.
- Software & Tools:** AutoCAD, SolidWorks, Rhinoceros, Adobe Photoshop, V-Ray, Opti Cut (Cutting Optimization Software)
- Furniture Detailing & Joinery:** Drilling details, assembly methods, connection systems
- Shop Drawings & Execution:** Furniture shop drawings and execution drawings
- Cutting Lists & Optimization:** Cutting lists preparation, cutting optimization using Opti Cut
- Material Take-Off:** Material take-off for furniture and woodworks

- **Project Coordination:** Bill of Materials (BOM) preparation, decorative project coordination, production process monitoring.

Soft Skills

- **Collaboration & Leadership:** Experienced in working within teams, delegating tasks, and guiding project workflows.
- **Time Management:** Skilled in prioritizing tasks and meeting tight deadlines.
- **Communication:** Clear and professional verbal and written communication with diverse stakeholders.
- **Problem-Solving:** Strong analytical thinking and quick decision-making in challenging situations.
- **Attention to Detail:** High accuracy in detecting and correcting design or documentation errors.
- **Adaptability:** Flexible in adopting new tools, methods, and work environments.
- **Creativity & Innovation:** Developing original, functional, and user-focused design solutions.
- **Organizational Skills:** Efficient project documentation, file management, and workflow optimization.
- **Resilience Under Pressure:** Consistently deliver quality work in fast-paced environments.

Courses & Certifications

- AutoCAD
- Adobe Photoshop
- SolidWorks
- Rhinoceros
- V-Ray

Languages

- Arabic – Native
- English – Good

Volunteering & Activities

Art & Design Aptitude Course Instructor

- Delivered aptitude preparation courses for students aiming to join the **Faculty of Applied Arts**.
- Taught core skills in drawing, design fundamentals, and creative problem-solving.
- Improved student readiness and success rates for the faculty entrance examination.