

Ebube Maduka-Ugwu

Industrial Design: 2D/3D CAD, Technical Drawings, Prototyping
IDSA Southern District Student Merit Award - Graduate Winner 2026

Atlanta, GA | [404-769-1454](tel:404-769-1454) | ebaymku@gmail.com | dukabrand.com/portfolio | [Linkedin: Ebube Maduka-Ugwu](#)

EDUCATION

- **Georgia Institute of Technology** Master of Industrial Design (MID) | *Expected 2026*
- **Georgia Tech Shenzhen Institute** – (Study Abroad – Shenzhen, China) | *Aug 2024 – May 2025*

SKILLS & SOFTWARE

- **3D/2D CAD:** Fusion 360, Alias (NURBS, SubD surface modeling), **SolidWorks**, Maya (SubD modeling), **Rhino**
- **Design:** Product Design, Sketching, Human Factors, User-Centered Design, **DFM**, Form Development
- **Visuals and Collaboration:** KeyShot, Sketchbook Pro, **Vizcom**, FLORA AI, **Adobe Illustrator**, **Photoshop**, **PowerPoint**, Miro, Keynote, Adobe Acrobat
- **Prototyping and Materials:** 3D Printing, Textiles, **Tech Packs**, foam systems, Basic Tolerance Awareness, **Hand Prototyping**, **Soft Goods Construction**

PROFESSIONAL EXPERIENCE

Industrial Design Co-op, R&D Engineering | Studio Blue, Eaton Corporation plc | *August 2026 – December 2026*

3D modeling, 2D CAD, concept development, prototyping, sketching, Design Thinking, CMF, DFM, R&D Engineering

- Collaborate with internal clients at Eaton's Human Centered Design Center of Excellence to develop **design-intent packages, technical drawings, CAD** and prototypes for industrial power-management products, translating stakeholder needs into manufacturable design solutions.
- Produce **production-oriented CAD** and technical documentation incorporating **DFM**, tolerances, CMF and prototyping requirements to support engineering and supplier communication.

Industrial Designer, Sporting Goods | Lulit Golf LLC | *April 2024 – May 2026*

3D modeling, 2D CAD, concept development, prototyping, sketching, AI Visualization, Sports equipment

- Partnered directly with company founders to spearhead product design and architecture for **modular soft goods** and rigid product systems, utilizing **Fusion 360 CAD**, rapid prototyping, and visualization workflows.
- Pioneered custom **fabric physics simulation workflows** in Fusion 360/KeyShot, establishing a new studio standard for realistic textile visualization across modular soft-goods.
- Delivered **20+ visualizations** that elevated stakeholder engagement and product templates.

Graduate Teaching Assistant | Georgia Institute of Technology | *May 2024 – June 2026*

3D modeling, 3D Rendering, 2D CAD, concept development, prototyping, sketching, Animation

- Facilitated **Visual Design Thinking** and **Packaging Design** coursework, instructing 40+ students in sketching, rendering, **2D CAD** and **3D Modeling**.
- Guided students through complex surface modeling and rendering workflows, resulting in **100% completion** of portfolio-ready CAD deliverables.

INNOVATION & RESEARCH

CREATE-X Startup Launch Participant | Georgia Institute of Technology | *May 2025 – August 2026*

- Spearheaded the **industrial design** and structural architecture of a modular specialty coffee ecosystem, utilizing 3D modeling to resolve manufacturing tolerance issues while balancing ergonomic form development.
- Advanced from the competitive **Idea-to-Prototype (I2P)** cohort into the **CREATE-X Startup Launch** accelerator.
- Developed a proprietary **quick-locking portafilter mechanism**, resolving high-pressure water sealing issues by iteratively upgrading component housing from **3D-printed polymers to machined aluminum**.

AWARDS & LEADERSHIP

- **Industrial Designers Society of America (IDSA) Southern District Student Merit Award** – Graduate Winner (2026).