



# Batuhan Sütbeyaz

## MSc. Industrial / Transportation Systems Designer

Human-Machine Interface • Aerospace Systems • Operator Environments



Product and systems designer with a **BSc in Industrial Design and an MSc in Transportation Systems Design**, experienced in the development of **aerospace systems, operator workstations, and human-machine interface**.

Skilled in **ergonomics, cognitive workload reduction, rapid prototyping, and multidisciplinary collaboration with engineering teams**. Experienced in designing and validating **cockpit environments, operator interfaces, and mission-critical workstations** through iterative prototyping and user testing with pilots and technical stakeholders.

**Strong interest in complex engineered systems where design, engineering, and human factors intersect.**



### Contact

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Los Angeles, CA, USA

## Professional Experience

### Aeros Corporation

Los Angeles, CA, USA | Transportation Designer | 2024-Ongoing

Contributed to the development of the **ML866 Aeroscraft cargo airship program** -an LTA-eVBA platform with **carry capacity of 66 tons, funded by DARPA**- focusing on cargo systems, cockpit environments, and operator workstations.

Key contributions:

- Designed and prototyped **remote aircraft pilot cockpit and workstation environ**
- Conducted **ergonomic and usability testing with pilots and engineers** to improve situational awareness and operator workflow.
- Developed **concepts for airborne cargo warehouse systems** supporting autonomous drone delivery operations.
- Built **physical and digital prototypes** to validate spatial layouts, controls, and operator interactions.
- Collaborated with **structural and systems engineering teams** on modular airship architecture concepts.
- Facilitated **cross-disciplinary ideation sessions** with engineering teams during early system development.
- Produced **3D visualizations and VR simulations** for spatial evaluation and design validation.
- Applied **rapid prototyping methods (3D printing, model making)** to iterate cockpit layouts and mechanical components.
- Participated in stakeholder interviews to incorporate **operational feedback into system design decisions**.

## Education

**ArtCenter College of Design**  
**MSc Transportation Sys. Design**  
Los Angeles, USA | 2022-2025  
CGPA: 3.27 (Honors)

**Middle East Technical University**  
**B.S. Industrial Design**  
Ankara, Turkey | 2018-2022  
CGPA: 3,23 (Honors)

## Skills

### Design & Research

- Human-Machine Interface Design
- Cognitive Ergonomics
- User Research & Testing
- Systems-Oriented Design Thinking
- Workshop Facilitation
- Concept Development / Rapid Iteration

## Ones Technology

Ankara, Turkey | Jr. Industrial Designer | 2022-2023

Worked closely with engineering teams on **hardware development, prototyping, and product integration.**

Key contributions:

- Designed and prototyped **custom electronic enclosures and operator hardware.**
- Developed **testing rigs and mechanical validation setups** for internal product development.
- Produced **3D-printed components and functional prototypes** for internal operational tools.
- Designed handheld monitoring devices for field operators.
- Collaborated with engineering teams on **integration of electronics and mechanical systems.**

## Oruba Medical Technology

Ankara, Turkey | Industrial Designer (Part-Time) | 2021

- Contributed to the development of a **medical device concept**, focusing on industrial design and mechanical integration.
- Produced **3D visualizations and design presentations** for product development and marketing.
- Participated in early-stage product ideation and concept development.

## AvA Yacht

Antalya, Turkey | Industrial Design Intern | 2019

- Gained hands-on exposure to **marine manufacturing processes**, including steel, aluminum, and composite fabrication.
- Designed a **modular exhibition booth system** for trade shows to be manufactured in the shipyard's in-house workshops.
- Observed full-cycle yacht design and production processes.

## Selected Industry & Academy Collaboration Projects



### Driver's Interface and Instrument Panel for Improved Driving Safety

Client: MAN Türkiye

- Redesign of long-range bus driver environment.
- Focus on **HMI design, cognitive ergonomics, and driver awareness.**
- Integration of **head-up display concepts and tactile control interfaces** to reduce driver distraction.



### Autonomous Robotaxi Vehicle Interior for Chinese Market

Client: DiDi Global

- Designed interior architecture and passenger experience concepts for autonomous ride-hailing vehicles.
- Contributions included **vehicle interior layout, research, ideation, and prototyping.**



### Digital Payment Platform for Hospitality Operations

Client: Sabancı DX

- Designed UI/UX architecture for a **restaurant ordering and payment platform.**
- Developed both **customer-facing application and staff order-management interface.**

## Prototyping & Fabrication

- SLA / FDM 3D Printing
- Laser Cutting
- Physical Model Making
- Functional Prototyping

## CAD & Visualization

- SolidWorks / Rhinoceros / Fusion
- Blender / Maya / Gravity Sketch

## Visualization & Simulation & VR

- Unreal Engine / Twinmotion
- KeyShot

## UI / Interface Design

- Figma / Adobe XD / Sketch
- Wireframing
- Interface Prototyping
- Information Architecture

## Awards

### IMIB Natural Stone Design Competition – 3rd Place

Award included a **two-year international master's scholarship** funded by the Turkish Exporters Assembly.

## Languages

- Turkish- Native
- English- Professional Proficiency
- German- Beginner

## Activities

- ArtCenter Student Government – Graduate Representative
- METU Mountaineering & Winter Sports Society – Head of Communications
- METU Design Society – Model Making Studio Director
- Licensed Muay Thai Athlete
- Windsurfing Instructor