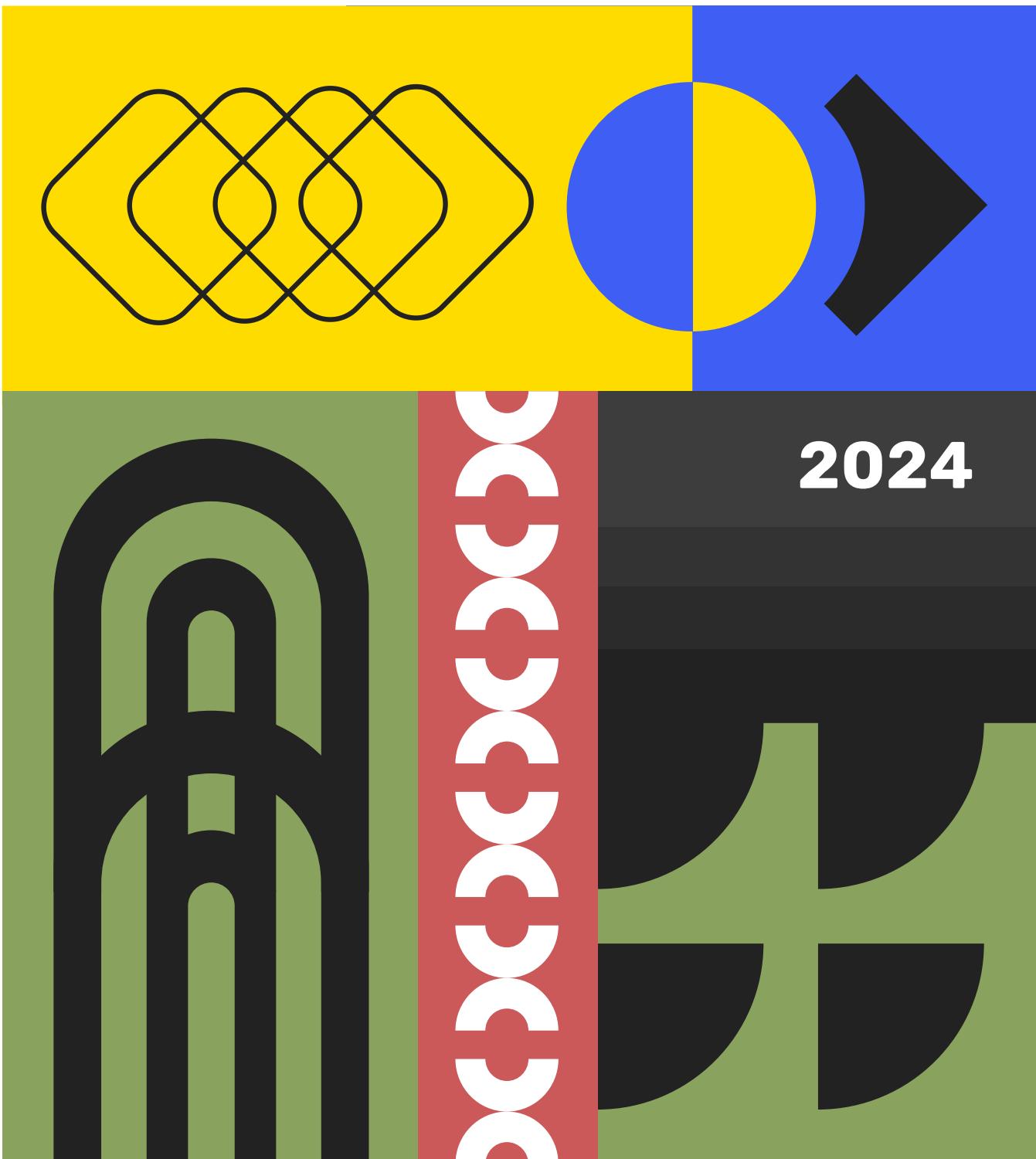


Tech & Design Portfolio



Ali Barış GÜLTEKİN



Issue 1.0

29.06.2024

Ali Barış GÜLTEKİN

Front-end Development, UI/UX Design
and Engineering Portfolio

Disclaimer: This portfolio is not complete. There are many more works done that is not featured here yet. It will be updated over time.
If you want detailed information about my work please contact.

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About Me

I specialize in blending technical expertise with creative design to turn complex ideas into simple, intuitive products. My journey began at ASO Technical College, where I started coding with Arduino and Javascript in 2016. Studying mechatronics exposed me to a variety of fields alongside computer science. Including computer aided design and manufacturing, circuit design, embedded programming, robotics, and automation.

My interest in design started in high school while I was president and chief editor of the school's press. I began creating designs for small businesses, school clubs, and personal projects for my friends like resumes and graduation posters. This experience allowed me to combine my technical knowledge with creative design.

I continued my studies at Izmir Institute of Technology in electrical and electronics engineering, courses in C and low-level programming changed my perspective on computer science. And gave me the technical foundation that is vital for designing products that are not just functional but also user-friendly.

I believe that creating exceptional products requires a solid understanding of both user needs and technology. With expertise in both areas, I aim to create products that simplify complex processes and improve everyday life.

Projects

Projects I showcase here are related to my main career focus of Front-end Development and UI/UX Design.

You can check the online portfolio at **barisgultekin.com** for more detailed explanation of the implementation of these projects.

If the project has a live demo or a real website you can see the address at the top, near the “▶” icon.

Teamwork makes the dreamwork. If a project involves collaborations from other people you can view their information from the glossary page.

WORKS

Front-end Development

UI/UX Design

Branding

TOOLS

React.js

Vanilla CSS

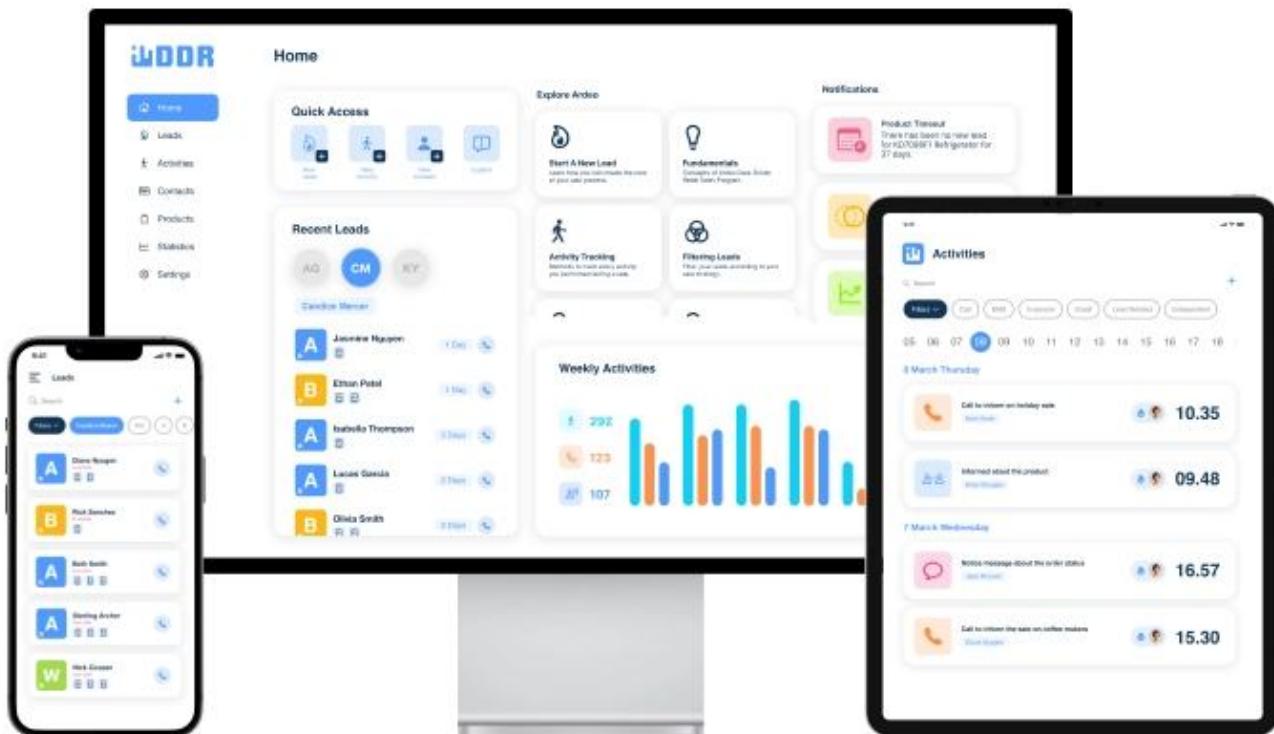
Chart.JS

Figma

DESCRIPTION

Ardeo DDR (Data Driven Retail) is a web application designed to streamline lead tracking and enhance sales management for vendors and large companies with multiple retail shops or franchises. The application has features for lead tracking, activity logging, discount calculation and data analytics tools.

GALLERY



Ardeo

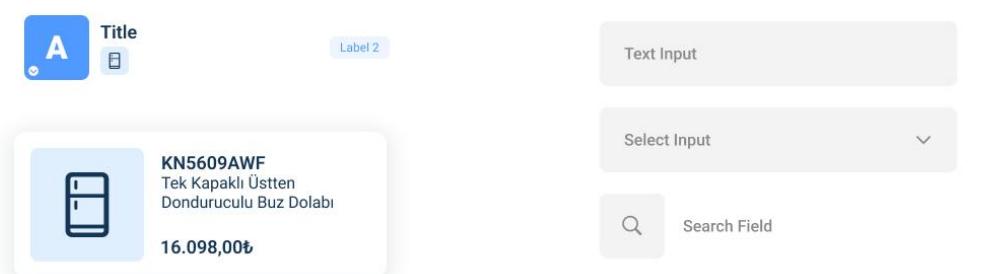
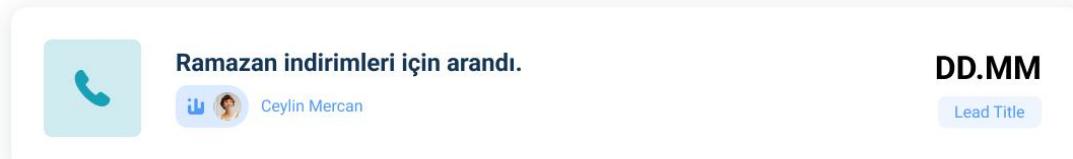
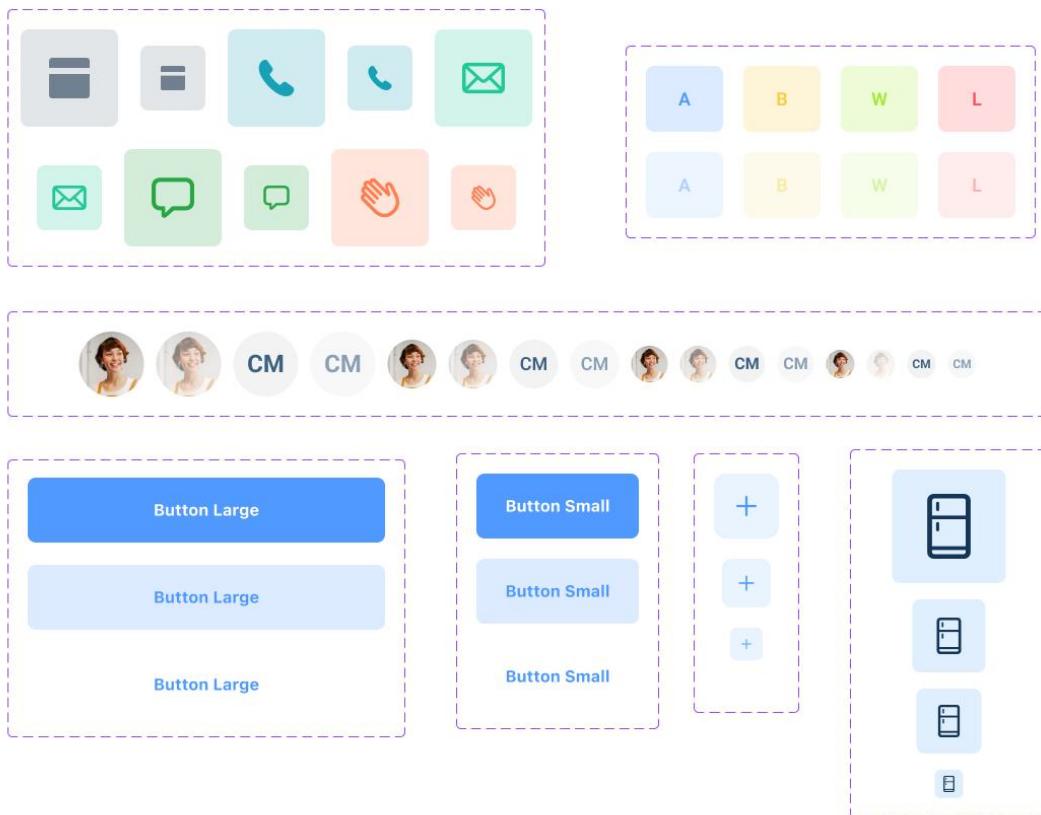
Branding



A B C D E F G H I J K L M N O P R S T U V W

W O D R

Design System



Ardeo Product

Home

Quick Access

- New Lead
- New Activity
- New Contact
- Explore

Recent Leads

Lead Status	Name	Last Seen	Action
A	Jasmine Nguyen	1 Day	Call
B	Ethan Patel	1 Day	Call
A	Isabella Thompson	2 Days	Call
A	Lucas Garcia	2 Days	Call
B	Olivia Smith	2 Days	Call

Explore Ardeo

- Start A New Lead
- Activity Tracking

Notifications

- Product Timeout
- Product Conflict
- Successful Quarter

Weekly Activities

Category	Value
Walking	292
Calling	123
Messaging	107

Statistics

Overview Activity Lead Product

Monthly Overview

Feb 2024

Blue Apple Sales Office

12.02

Calls 541

In-person 753

SMS 9782

Open Leads 541

Team Activities

Week	Walking	Calling	Messaging	Email	Social Media
01.02	292	123	107	25	47
02.02	292	123	107	25	47
03.02	292	123	107	25	47
04.02	292	123	107	25	47
05.02	292	123	107	25	47
06.02	292	123	107	25	47

Lead States

State	Count
A	471
B	132
W	503
L	196

Product

Leads

Search Leads

Filters: +2000t, Last 10 days, A, B, W, L, +5.000€, +10.000€, +15.000€, Elektrikli Süpürge, Elektrikli Süpürge, Elektrikli Süpürge

Lead	Contact	Recent Activities	Products	Opened
Diane Nyugen Maplewood	Candice Mercer	Called to give the discount info. Met in the shop for the sale.	Tablet, Vacuum, +2	08.03.24 2 Days
Rick Sanchez Northland	Candice Mercer	Met in the shop for the sale.	Tablet	07.03.24 3 Days
Beth Smith Thunderbay	Michael Scott	Called to give the discount info. Sent promotion SMS.	Tablet, SMS	07.03.24 3 Days
Jane Doe				Opened

New Lead

Sales Representative

Lead State

State Details

Customer Info

Name: Customer's Name | Phone Number: Customer's Phone

Location: Maplewood | Email: Customer's Email

Create Lead

Product



Leads

[Back](#)



Brian Douglas

Candice Mercer

27.05.24

Today

Offer Contact

Products

Product	Stock	Default Price	Cost	Payment Method	Rate	Fee	Allowance	Discount	Profit	Benefit	Offer
KG86PAXBON Single Door Top-freezer Refrigerator	24	86.760,00€	70.233,64€	AMEX 6 MONTH	%13,21	11.461,00€	1.482,76€	-500,00€	5.065,36€	%8	86.260,00€
VSC7SIL1 Mini-sized Microwave	8	12.810,00€	10.136,99€	Cash Payment	%0,00	0,00€	800,00€	-700,00€	2.773,01€	%19	12.110,00€
WG44B2A0TR 9 Kg Laundry Machine	12	39.310,00€	30.969,35€	AMEX 6 MONTH	%13,21	5.192,85€	517,24	-1.200,00€	2.699,72€	%7	38.110,00€

Overview

Bundle Allowances

2.000,00€

Total	Cost	Bank Fees	Single Allowance	Bundle Allowance	Discount	Profit	Benefit	Offer
138.880,00€	111.341,18€	16.654,85€	1.550,00€	2.000,00€	-2.400,00€	10.537,46€	%6	136.480,00€

[Add Product](#)

[Create Offer](#)



Activities

[Search Activities](#)



Candice Mercer

Call

SMS

Email

In-person

Micheal Scott

David Loraine

Shiobhan McGregor

Home

Leads

Activities

Contacts

Products

Statistics

Settings

< March 2024 >

8 March Thursday

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Called to give the discount info.

Brian Douglas

10.35



Met in the shop for the sale.

Brian Douglas

09.48

7 March Wednesday



Info message regarding the order status.

Diane Nyguen

16.57



Informed about the new kitchen bundle.

Beth Smith

15.30



WORKS

Front-end Development

UI/UX Design

TOOLS

React.js

Vanilla CSS

Figma

DESCRIPTION

WIRE is an innovative web application developed to address the specific needs of organizing and managing sports events, particularly for college students. The project emerged from a clear demand within campus environments where managing and participating in sports events were inefficient and disorganized.

GALLERY



WIRE

Desktop Product

WIRE

Q. What are you looking for? Sign In

Home Football Basketball Tennis Sailing Latin Dances Latin Dances Latin Dances Latin Dances Latin Dances Latin Dances

Discover Leagues you follow

Calendar Account Settings

Latest Matches

Around İzmir

Team A	Score	Time	Team B	
Kamsu Spor	48	Q3 01:46	32	Humboldt
Kamsu Spor	48	Q3 01:46	32	Humboldt
Kamsu Spor	2	H1 37:05	0	Humboldt
Kamsu Spor	0	H2 90+3	0	Humboldt
Kamsu Spor	79	Over	88	Humboldt
Kamsu Spor	82	Over	95	Humboldt
Kamsu Spor	0	Over	3	Humboldt

20-21 Nisan 2023 Jimmy Key Universail Yat Yarışları Urla, Iskele

12 Nisan 2023 RedBull Half Court Regional Finals Bostanlı Basket Sahası

20-21 Nisan 2023 Jimmy Key Universail Yat Yarışları

12 Nisan 2023 RedBull Half Court Regional Finals

WIRE + Create Event Sign Up Sign In

Home Discover Calendar Account Settings

Football Match in school

Posted by Ahmet Yılmaz

12.07.23 16:00 Football İYTE Futbol Sahası

Details

Description

Join us for an exciting football match at İYTE Futbol Sahası this Sunday! Whether you're looking to showcase your skills or simply enjoy a friendly game, this event is the perfect opportunity. Teams will be formed on-site, so all skill levels are welcome. Don't miss out on the chance to connect with fellow sports enthusiasts, improve your game, and have some fun in the process. Refreshments will be provided, so bring your game face and some friends, and let's make it a day to remember!

Teams

Team A 1/5 Team B 2/5

Ahmet Yılmaz Kaan Alp Demir

Ceyda Mercan

Join

Mobile Product

Home Screen:

- Sports you follow: Football, Basketball, Climbing.
- Around Izmir: Jimmy Key 12. Universal Yat Yarışları, RedBull Half Court Regional Finals.
- Recent Events: Football Match in school, Tek pota basket maçı.

Football Matches Screen:

- Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.
- Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.
- Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.
- Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.

Event Details Screen:

Create an event Screen:

Discover Screen:

Profile Screen (Ahmet Yilmaz):

- Profile picture, 12 Events, 488 Followers, 17 Following, Izmir, Turkey.
- Events: Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.
- Events: Football Match in school on 12.07.23 at 16.00 by Ahmet Yılmaz.

CARFlip

WORKS

Embedded Development

UI/UX Design

TOOLS

C

ESP32

Figma

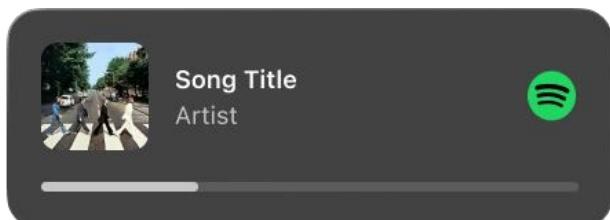
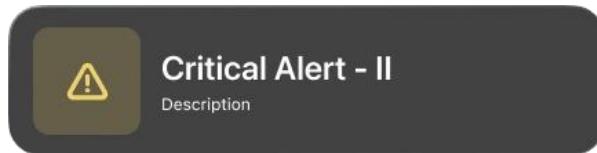
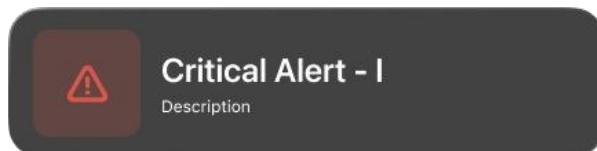
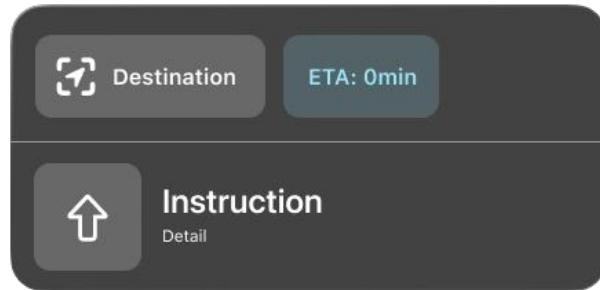
DESCRIPTION

Semi-finalist at the 2020 Big Bang Startup Challenge, ARFlip is a mountable car accessory that offers a head-up display by projecting critical driving information onto its glass screen. It includes gesture controls, allowing drivers to interact with the display hands-free, ensuring a safer and more seamless driving experience.

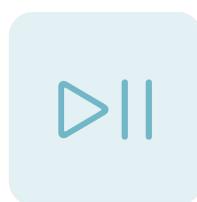
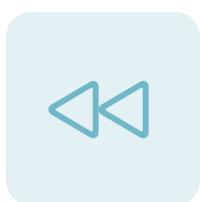
GALLERY



Design System

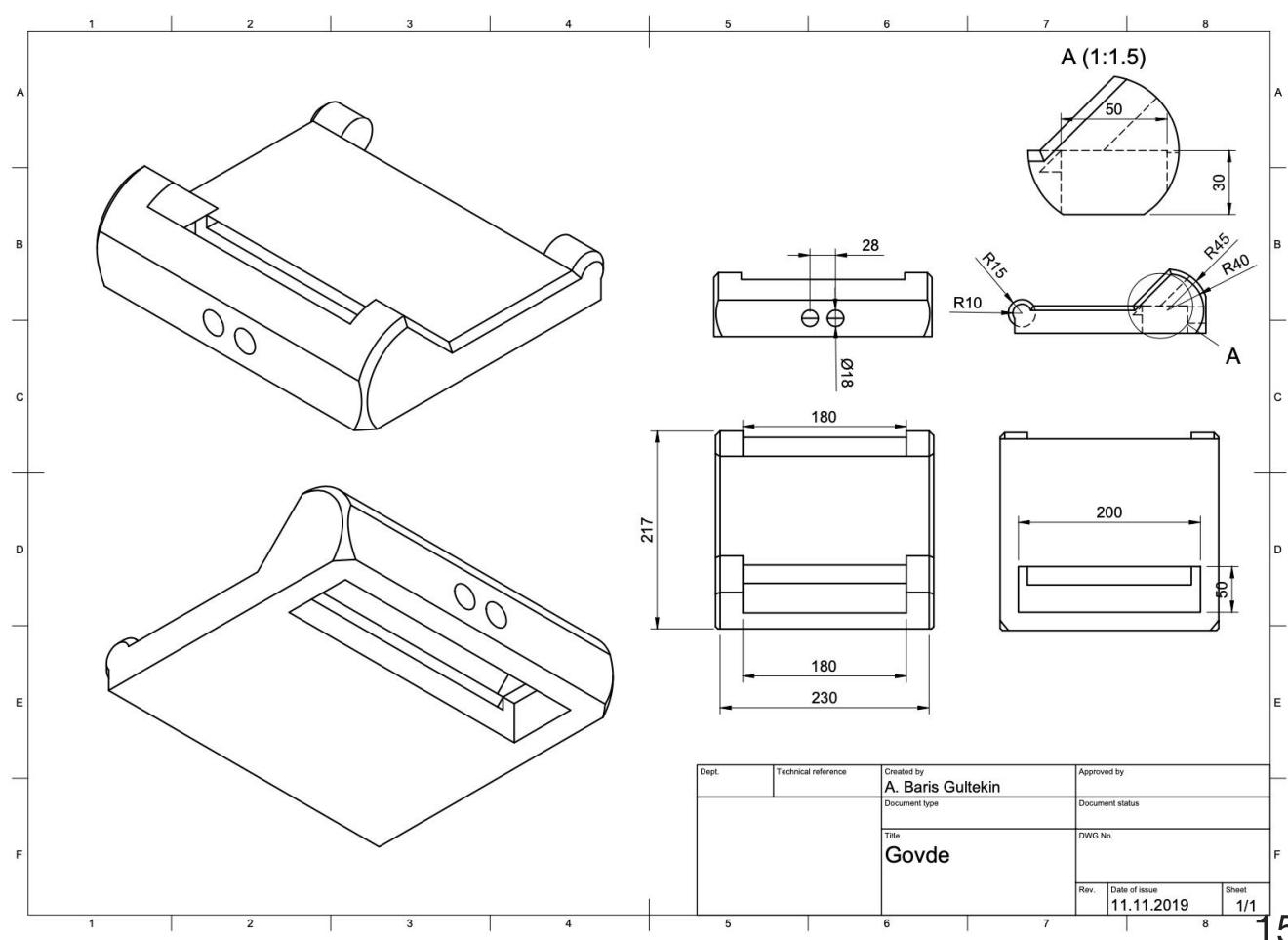
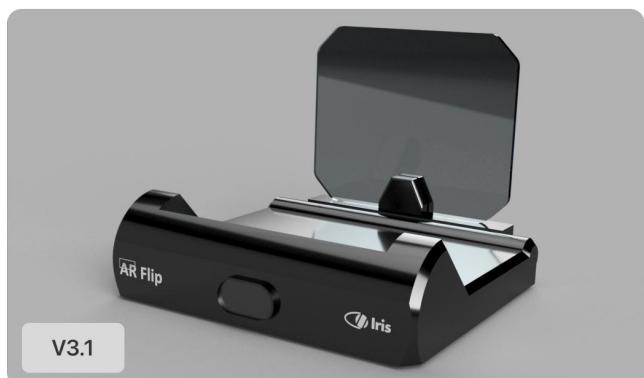


Interface Design



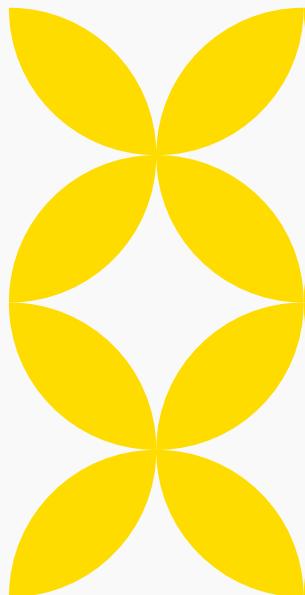
ARFlip

Product Design





Design Work



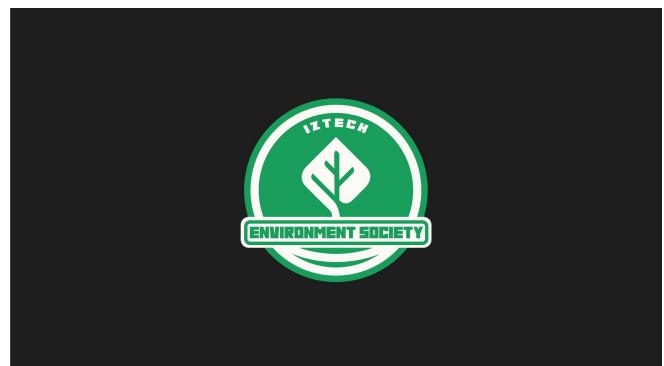
This section is dedicated to showcasing the design work I have created for a variety of brands, organizations, and individuals. Throughout my career, I have focused on developing designs that not only meet aesthetic standards but also enhance functionality and user experience. My design projects span across different domains, including brand identity, user interface design, and visual communication.

In each project, I strive to understand the core values and mission of the entity I am designing for, ensuring that the final product is a true reflection of their identity and goals. From logo creation and branding to comprehensive design systems and interface layouts, my work emphasizes clarity, coherence, and an intuitive user experience. This section highlights my journey through various design challenges and the creative solutions I have developed to address them.

ENVSOC

I designed the brand identity of Izmir Institute of Technology Environment Society. They work on environmental issues like clean waters, forest preservation and clean energy.

LOGO DESIGN



**ENVIRONMENT
SOCIETY**

DESIGN

ENVSOC

GREEN SUMMIT '24

RECYCLER



GREEN SUMMIT '24

OCEANIST



GREEN SUMMIT '24

FORESTER



GREEN SUMMIT '24

AIRWARDEN



GREEN SUMMIT '24

SOLARIST



GREEN SUMMIT '24

PURIFIER



GREEN SUMMIT '24

GREEN
SUMMIT
2024

03
MAY

IZTECH
LIBRARY

Volt elektrik
motorları

the
purest
solutions
Academy

caffeluce



IZTECH Sailing

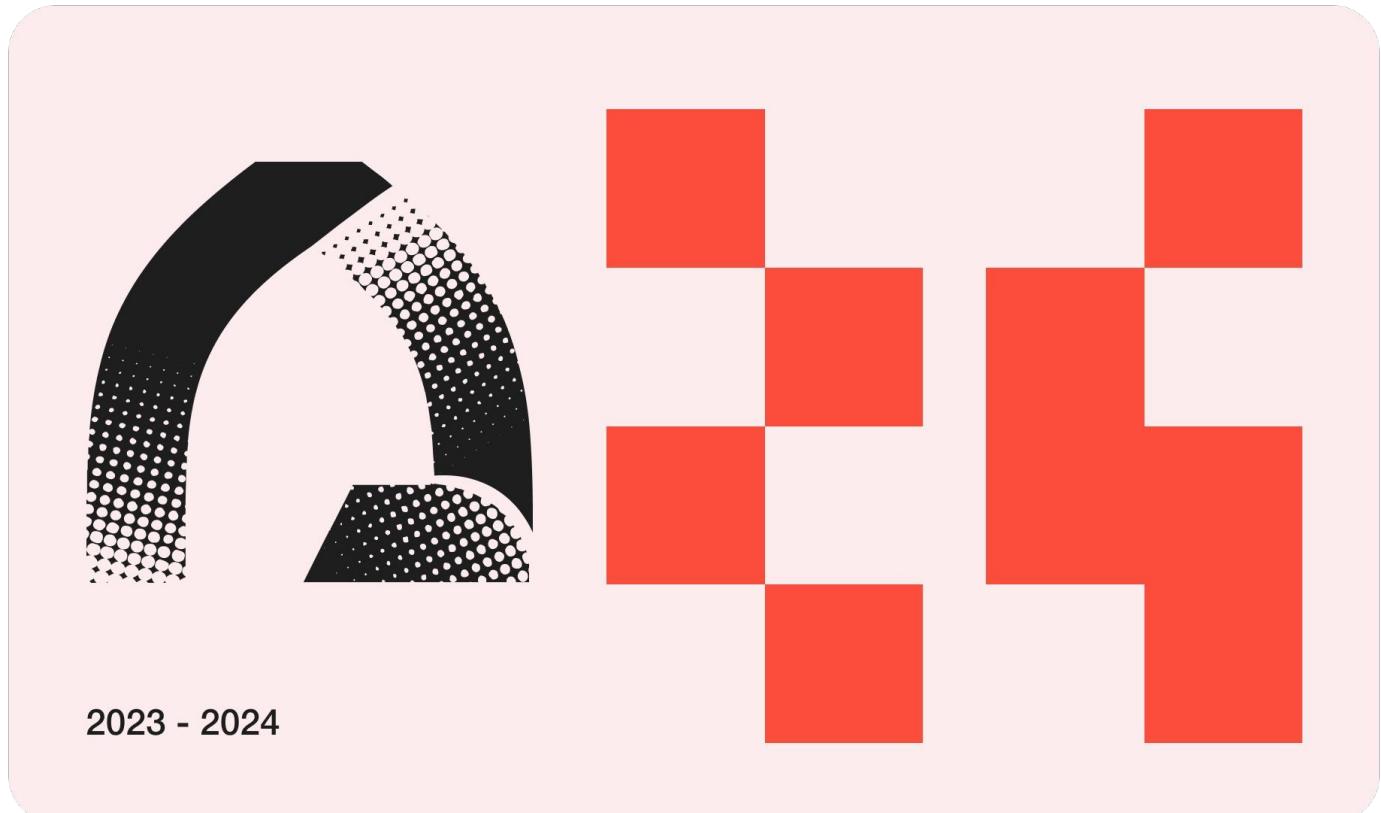
As the president of the Izmir Institute of Technology Sailing Club and the captain of the racing team I designed our brand identity and merchandise.

LOGO DESIGN



DESIGN

IZTECH Sailing



DESIGN

IZTECH Sailing



TEMEL DENİZCİLİK VE YELKEN EĞİTİMİ

19 EKİM PERŞEMBE 19.00 İYTE GÖSTERİ MERKEZİ



KATILIM ÜCRETSİZDİR



IZTECH Sailing



Sailors
CREW '24



Engineering

This section presents my engineering work, highlighting the technical projects I have undertaken to demonstrate my expertise and problem-solving capabilities in the field. With a strong foundation in electrical and electronics engineering, my projects often involve intricate design, programming, and implementation of advanced technological solutions.

With hands-on approach, I aim to create products and systems that exceed user expectations. This section is a comprehensive showcase of my technical skills, project management abilities, and commitment to continuous learning and improvement in the field of engineering.

Neural Network in C

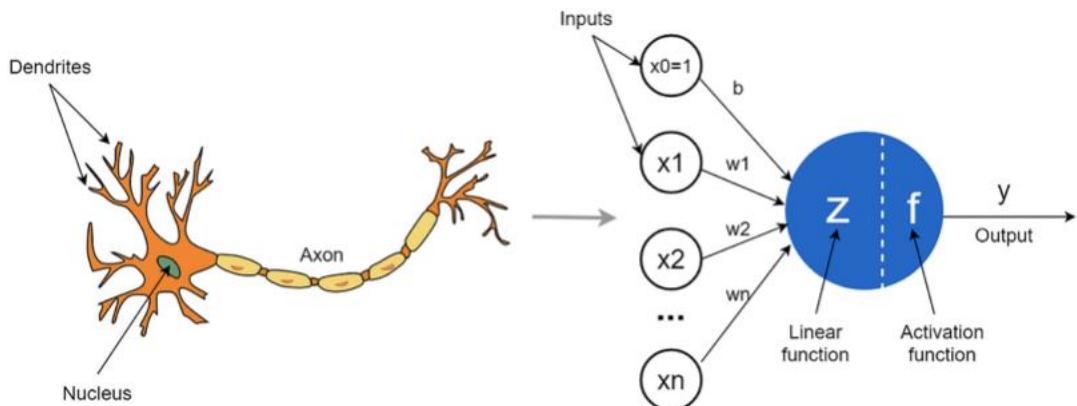
REPOSITORY



[efeoguslu/neural-network-implementation](#)

DESCRIPTION

We aim to implement a neural network application with the C programming language. Our ultimate purpose is to create a high-performance basic neural network framework that can be utilized as the underlying technology for real life machine learning problems.



We implemented the mathematical modeling of a multilayer perceptron to create a vanilla neural network with gradient descent, adaptive learning rate and dynamic layer/neuron generation.

ToF Sensor Board

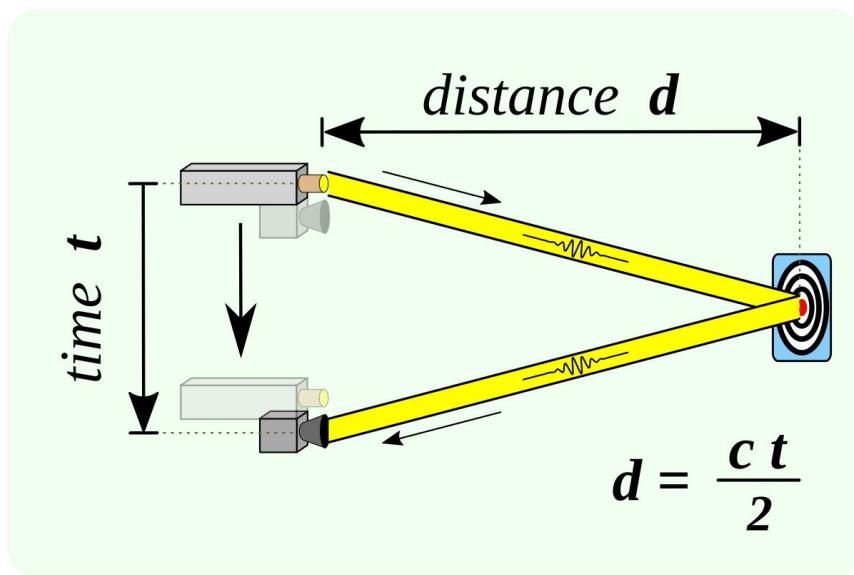
REPOSITORY



[barisGultekin/VL53L5CX-door-sensor](#)

DESCRIPTION

The ToF (Time-of-Flight) Sensor Board project was undertaken for the R&D company DVLX, which received an order from an electronics manufacturer to integrate advanced sensing technology into their automatic doors. This project showcases my ability to design and develop complex electronic systems tailored for specific industrial applications.



The project involved designing a sensor board equipped with the VL53 Time-of-Flight sensor, known for its accuracy and reliability in distance measurement. The VL53 sensor operates by emitting an infrared signal and measuring the time it takes for the signal to bounce back after hitting an object, thereby calculating the distance with high precision.

Glossary

Acronyms and Abbreviations

UI/UX: User Interface and User Experience, referring to the design and usability aspects of a product.

ToF: Time-of-Flight, a technology used to measure distance by calculating the time it takes for a signal to return after being emitted.

Technical Terms and Tools

React.js: A JavaScript library for building user interfaces, particularly single-page applications.

Chart.js: An open-source library for data visualization, providing simple yet flexible charting options for designers and developers.

Roles and Responsibilities

Ozan GÜLBAŞ

- Ardeo: Front-end Development
- ARFlip: Electronics Design

Emirhan TAŞDEVİREN

- Ardeo: Back-end Development and Architecture

Efe ÖĞÜŞLÜ

- Neural Network in C: Project Lead