

IDIL KALE

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EDUCATION

Arizona State University, AZ, United States 08/2025 – Expected 06/2027
MS in User Experience, Ira A. Fulton Schools of Engineering, College of Integrative Sciences and Arts

Sabancı University, Istanbul, Turkey 09/2021 – 06/2025
B.A in Visual Arts and Visual Communication Designs, Faculty of Arts and Social Sciences
(Double Major)

Important Courses: Visual Language, Language of Drawing, Motion Graphics, Design with Typography, Photography and Expression, Sound and Image, Motion Graphics and Art, Interface Design, Creative Coding, Art Analysis: Theory and Criticism

Sabancı University, Istanbul, Turkey 09/2020 – 06/2025
B.S in Computer Science and Engineering, Faculty of Natural Sciences and Engineering

Important Courses: Data Structures, Algorithms, Logic and Digital System Design, Machine Learning, Software Engineering, Data Science, Statistical Modelling, Programming Languages, Human Computer Interaction, Database Systems, Computer Networks, Mobile Application Development

Exchange Year, Doylestown, USA 2017–2018
YFU Intercultural Exchange Programs
Central Bucks West High School Doylestown, PA, United States

Sanko Science and Technology High School, Gaziantep, Turkey 08/2015 – 06/2019

University of West London – Piano 2011–2017

RESEARCH INTEREST

Visual Arts and Visual Communication Design: 3D Modeling, 3D Animation, Web Design
Computer Science: Human Computer Interaction, UI/UX, Frontend Development

RESEARCH EXPERIENCE

Multi-User Collaborative VR Biology Laboratory Environment, Sabancı University 02/2023 – 02/2024
Research Assistant

Researcher: Kürşat Çağıltay (Sabancı University)

- Designed a collaborative VR biology lab simulating molecular biology experiments with interactive 3D environments and real-time multi-user functionality to advance virtual reality applications in education.
- Used Unity for creating the VR environment and implementing functionality.
- Used Photon for real-time multi-user functionality.
- Combined Blender and Rokoko Motion Capture to create 3D models of lab assets and realistic human animations based on real people's movements.

WORK EXPERIENCE

Human-Computer Interaction Lab, Research Assistant, Sabancı University 01/2023 – 06/2025

- Developed the website for the Human-Computer Interaction Lab.
- Contributed to ongoing research projects on usability, user experience (UI/UX), and human-centered design.

- Performed usability testing and research to improve the lab's projects and designs.
- Created and managed the lab's social media accounts.

WE2 , Graphic Design Intern, Istanbul, Turkey **06/2024 – 08/2024**

- Created infographics using Adobe Illustrator.
- Worked on interactive infographics for the website using HTML, CSS, and JavaScript.

Danone , IT/Data Intern, Istanbul, Turkey **07/2023 – 10/2023**

- Developed an SAP/ABAP based blocking mechanism to standardize programs across merging companies, optimize resource use and improve data reliability.

Gate27 , Assistant, Istanbul, Turkey **05/2021 – 07/2021**

- Organized the weekly press releases and created content for social media.
- Presented artworks and explained them to visiting guests.

Monovi Information Technology , Website Designer, Istanbul, Turkey **02/2020 – 03/2020**

- Redesigned and implemented an existing website using Figma, CSS, and HTML.

COURSE PROJECTS

Online Shopping Website **09/2024-01/2025**

Full-Stack Developer

- Developed backend of an e-commerce website with Python Flask and MongoDB.
- Built the frontend using React and JavaScript.
- Maintained the development process in an agile way with scrum.

Unisphere **02/2024-06/2024**

Term Project in Interface Design Course

- A social media platform interface was designed for university students to share their experiences and network.
- Used Adobe Photoshop, Illustrator and Figma.

Armoni **09/2023-06/2024**

Term Project in Design Studio Course

- A fictional brand was designed from scratch, including its identity, logo, and brand manual.
- Created all branding materials, website, and social media content.
- Used Adobe Photoshop, Illustrator, InDesign, and Wix.

Heart Disease Prediction **02/2023-06/2023**

Term Project in Machine Learning Course

- Developed a predictive model for heart disease assessment using key health parameters.
- Used Python, pandas, scikit-learn, seaborn, and matplotlib.

VOLUNTEER EXPERIENCE

YFU,Volunteer, Istanbul,Turkey **06/2018 – Present**

- Organize interviews for students applying for exchange programs.
- Conduct interviews with families wanting to host exchange students.
- Provide training sessions for exchange students.

Civic Involvement Project, Volunteer **09/2020 – 01/2020**

- An audiobook was created for children.

SKILLS

- **Technical Skills:** Python, C++, Java, Java Script, HTML, CSS, Figma, Adobe Applications
- **General:** Interface Design, UI/UX, Frontend Development, Branding, Object Oriented Programming,
- **Language Skills:** Turkish (Native), English (Advance)