Ayse Esin Durmaz

DESIGNER I RESEARCHER

Based in Berlin

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Click here for my portfolio

WORK EXPERIENCE

STUDENT RESEARCH ASSISTANT
RP19 – Robotic Kinematic System for Parallel Construction Research Group in ICD
November 2021 to November 2022
(1 year)
- The generation of computational models for the design of timber structures capable of being assembled by small mobile machines.

DESIGN STRATEGIST
OTTAN Design Studio
January 2020 to November 2021
(1 year, 11 months)
- Business development and pitching to clients
- Preparing projects for Horizon Europe
- Design and Manufacturing Strategies

ARCHITECT
Fab-Lab Kamp-Lintfort
June 2017 to March 2018
(9 months)
- Developing sustainable housing solutions
- Self-sufficient energy systems applications
- Data visualization and analysis of sustainable housing

PROTOTYPING LAB ASSOCIATE
Atolye Istanbul kyu Collective
February 2016 to June 2017
(1 year, 4 months)
- Generating marketing material
- Presenting design thinking workshops
- Analysis and research for designers

TECHNOLOGY CONSULTANCY
GE Garages
June 2016 to June 2017
(1 year)
- Introducing Industry 4.0 Technologies to the executive partners
- Preparing design thinking seminars focused on Industry 4.0 and IoT systems

EDUCATION

MASTER OF SCIENCE IN INTEGRATIVE TECH. & ARCHITECTURAL DESIGN RESEARCH (ITECH)
University of Stuttgart
Year of Graduation: 2022
- Thesis topic: Multi-robotic fabrication with timber and fiber
- DAAD Scholarship for Postgraduate Studies in the Field of Architecture

FABRICACADEMY
Rhine-Waal University of Applied Science
Year of Graduation: 2018
- Featured Student
- Biomaterials , Digital Fashion

BACHELOR OF SCIENCE IN INTERIOR ARCH. & ENVIRONMENTAL DESIGN
Kadir Has University
Year of Graduation: 2016
- Full Merit Scholarship
- Graduation with Honour Degree

RELEVANT SKILLS

SCRIPTING
- Python
- C#
- Processing
- Arduino IDE

SOFTWARES
- Autodesk
  - Revit, 3ds Max, Autocad, Dynamo Eagle
- Adobe
  - InDesign, Photoshop, Illustrator, Xd
- Rhino / Grasshopper
  - Karamba Analyses, Kangaroo physics engine, Sophistic,
- Sketchup
- Archicad
- Figma

TEACHING EXPERIENCE

LECTURER
Medipol University
September 2018 to July 2021
(2 years, 9 months)
- WS 2018 to 2020 Bio-Material Design
- WS 2018 to 2020 Transdisciplinary Studio I
- WS 2018 Transdisciplinary Studio II
- SoSe 2019 to 2021 Wearable Technologies
- SoSe 2020 to 2021 Interactive Design Applications
- SoSe 2019 to 2021 Ecologic Material Design

ADJUNCT LECTURER
Ozyegin University
September 2018 to February 2021
(2 years, 5 months)
- WS 2018 to 2020 Prototyping

ADJUNCT LECTURER
Istanbul Bilgi University
February 2019 to July 2020
(4 months)
- SoSe 2019 Basic Design

ADJUNCT LECTURER
Hochschule Rein-Waal University of Applied Sciences
September 2017 to February 2018
(5 months)
- WS 2017 Transdisciplinary Studio
- WS 2017 Sustainable Architecture

CERTIFICATIONS

KUKA I 2022
Robotic Programming
Stanford University I 2021
Code in Place: Python Programming
International University of Sarajevo I 2019
Printing placelessness: Processing

ADDITIONAL ACTIVITIES

EXHIBITIONS
Studio-X I Curator I 2021
Biomaterial Design Exhibition
Altaroma Fashion Week Rome I
Designer I 2019 *Under my skin*
9. National Furniture Competition I
Designer I 2016 *Clean Desk*
2. Istanbul Design Biennale I
Photography & Video I 2014
Broken Promises
Internalization through the Colours of Nature
13. Istanbul Art Biennale I Art
Performance I 2013
Mimetic resistance

INVITED TALKS
Fatih Sultan Mehmet University I 2022
Biomaterials and Design Issue
Beyazit Seminars I 2021
Material Driven Design
OpenIDEO Istanbul Talks I 2021
Beyond The Material
Eni Konu I 2020
Bio-Material Driven Design
Arc + Design Summit I 2020
Open Source Housing
Design for Good I 2018
Sustainable Design with biomaterials
General Electronics Garages I 2017
Industry 4.0
Future of Digital prototyping
Manufacturing with IoT
TurkishWIN I 2016
Digital Fabrication and Industry 4.0
Koc University I 2016
Digital Fabrication Lecture

PUBLICATIONS
Doi: 10.5281/zenodo.1344434
Date: 2018
Name: Eco-Design-Sprint for Makers