

MELISA ALTINSOY

I am a passionate engineer looking for creative connections between different fields. I have experienced multi-disciplinary projects including sound and visual design with electromyography, brain computer interface models, data visualization and AR.

In the digital age, my focus is transforming chaotic signals to knowledge which create value for society. I am excited to do multidisciplinary projects including art and science. Therefore I am willing to improve myself in machine learning and creative computing fields through experienced and innovative teams.

EDUCATION

POLITECNICO DI MILANO, 2017-2019, MILANO IT

MSc. Telecommunication Engineering

Thesis : Understanding the Brain and Music Interaction with Machine Learning (Work in progress)

ISTANBUL TECHNICAL UNIVERSITY, 2011-2016, ISTANBUL TR

BSc. Electronic and Communication Engineering

Thesis : Mini Robotic arm control with SSVEP Brain Computer Interfaces Method

KULTUR SCIENCE HIGHSCHOOL, 2007-2011, ISTANBUL TR

Honour student with full-scholarship

Scientific Project : Developing fire protected surface using sodium silica

EXPERIENCE

ITU EDL, Internship, 2016-2017, ISTANBUL TR

Collaborated with researchers for designing and developing 3D printed confocal micro-endoscopy.

Designed and evaluated 3D printed soft robotic actuator for confocal micro-endoscopy.

Responsible for researching state of art for the new fields in electro-optics.

ITU, Reader Assistant, 2015, ISTANBUL TR

Contributed to read exam, homework and quiz results for "Probability and Statistics" course.

BEECYCLE, Entrepreneurship, 2015, ISTANBUL TR

Collaborated with team members to build a social enterprise related with smart electric bike ecosystem.

Developed electronic and telecommunication architecture for smart electric bikes and stations.

Responsible for R&D of information technologies, business development, project management.

REENGEN, Longterm Internship, 2014-2015, ISTANBUL TR

Co-worked with business engineer from German energy company EnBW.

Responsible for executing business canvas model, researching partnership relations of energy and telecommunication companies.

CONTACT

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MELISA ALTINSOY

Communication Engineer

PUBLICATION

National Conference on Electrical Electronics and Biomedical Engineering (ELECO), 2016, TR
Mini electronic arm control via wireless communication module

PROJECTS

Portfolio is available on melisaaltinsoy.com

SKILLS

Programming Languages

Python, Matlab
HTML, JavaScript, CSS

Software Packages

Microsoft Office (Word, Excel, Power Point)
iWork (Pages, Numbers, Keynote)
Microsoft Movie Maker, Photoshop

3D Model

Fusion 360, COMSOL, AutoCAD, Rhinocéros

Creative Programming

Processing, Supercollider, AR.js, p5.js

LANGUAGE

Turkish

Native

English

Advanced

Italian

Basic

PARTICIPATIONS

2018 IT

Polimi Creative Coding for A.P. Hackathon

2017 TR

Mentorink Mentorship Training Certification

2016 TR

National Conference ELECO IEEE, Speaker
Cleantech Global Innovation Programme, Finalist
ITU Cekirdek Entrepreneur Ecosystem, MicroMBA
ITU National Case Study Competition, 4th
YGA Dragon Boat, Team Member
YGA Microsoft Dream School Project, P. Leader

INTEREST

Technology

Creative Technologies
Data Visualization
Computer Music

Design and Art

Design Thinking
New Media Arts
Experimental Film Arts

Social

History of Modernity
Dragon Boat, Badminton, Coffee
Social Activism and Entrepreneurship

REFERENCES

Available upon request

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