



AYBERK SADIC

Mechanical Engineer & Robotics Specialist

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Location: Tokyo, Japan

Date of Birth: 11/11/1992

EDUCATION

Ph.D | Mechanical Engineering

Apr. 2022 – Now

Tokyo Institute of Technology, Mechanical Systems Design Laboratory

Tokyo, Japan

Master of Business Administration GPA: 3.88

Sep. 2019 – Mar. 2023

Galatasaray University, Expected Graduation: Feb. 2023

Istanbul, Turkey

Research Exchange Student | Suzumori-Endo Laboratory

Sep. 2014 – Aug. 2015

Tokyo Institute of Technology

Tokyo, Japan

Bachelor of Science | Mechanical Engineering GPA: 3.15

Aug. 2010 – Jun. 2016

Middle East Technical University

Ankara, Turkey

WORK EXPERIENCE

Founder & CEO

Jan. 2018 – Feb. 2022

Mekadermis LLC.

Istanbul, Turkey

- Development of Novel Haptics Platform MIDAS Touch for Digital Touch Sensation on PCs and Mobiles
- Haptics, Robotics, Electronics and Software Design Consultancy to Industrial Clients
- Business Controlling, Assessing P&L and Corporate Performance, Identifying Business Drivers
- Rapid Prototyping and Supervision of Design Iterations with SCRUM and Kanban
- Facilitating Communications with Customer Company CEOs/Executives and Investment Fund Managers
- Financial Planning of Long-Term and Short-Term Corporate Budgets
- Periodic Presentations of Corporate Financial Statements and Projections to Investors and Other Parties

Research & Teaching Assistant

Aug. 2016 – Jan. 2018

Koç University - Robotics & Mechatronics Laboratory

Istanbul, Turkey

- Conducted Research on Haptic Perception of 2D Shapes on Touch Screens for Blind
- Lectured in Control Systems Design and Bachelor's Thesis Courses

PROJECTS AND RESEARCH

Effects of Financial Anxiety and Financial Literacy on Mental Accounting Processes

2021-2023

Master's Thesis - Galatasaray University

Development and Testing of Piezo Electric Tactile Feedback Cells

2019-2021

Mekadermis - Corporate Project

MIDAS Haptic Feedback Platform

2018-2019

Scientific and Technological Research Council of Turkey

CONFERENCES AND PRESENTATIONS

Exploration strategies for tactile graphics displayed by electrovibration on a touchscreen

Sadia, B., Sadic, A., Ayyildiz, M., & Basdogan, C. (2012) International Journal of Human-Computer Studies, 160, 102760.

Haptic Perception of 2D Equilateral Geometric Shapes via Electro vibration on Touch Screen

Sadic, A., Ayyildiz, M., & Basdogan, C. (2017) 21st National Biomedical Engineering Meeting (BIYOMUT), i-iv.

Development of a Human Trunk Exoskeleton with Pneumatic Artificial Muscles

Sadic, A., Ohno, A., & Suzumori, K (2015) JSME ROBOMECH 1A1-P01

SKILLS

Languages: English (TOEFL IBT: 109/120 - TOEIC L/R: 980/990), Japanese (Conversational), Turkish (Native)

Programming: Python, MATLAB, C/C++, SQL

Platforms: Git, Linux (Ubuntu, Kali), ROS, OpenCV, Windows, Raspberry Pi, Arduino, STM, ARM, XBee

Software: Autodesk Inventor, Fusion360, Solidworks, EAGLE, Anybody Modelling System, Optitrack Motive

Tech Skills: Biomechanics, Motion Capture, Haptics, 3D Printing, Statistics, Mechanical Design, PCB Design