



AYBERK SADIC

Tokyo Institute of Technology, PhD Candidate
Mechanical Engineer & Robotics Specialist

sadic.a.aa@m.titech.ac.jp

[linkedin.com/in/ayberksadic](https://www.linkedin.com/in/ayberksadic)

ayberksadic.com

Location: Tokyo, Japan

Date of Birth: 11/11/1992

EDUCATION

PhD Candidate <i>Mechanical Engineering</i>	Apr. 2022 – Now
Tokyo Institute of Technology, Mechanical Systems Design Laboratory	Tokyo, Japan
Master of Business Administration <i>GPA: 3.88</i>	Sep. 2019 – Mar. 2023
Galatasaray University, Expected Graduation: Feb. 2023	Istanbul, Turkey
Research Exchange Student <i>Suzumori-Endo Laboratory</i>	Sep. 2014 – Aug. 2015
Tokyo Institute of Technology	Tokyo, Japan
Bachelor of Science <i>Mechanical Engineering GPA: 3.15</i>	Aug. 2010 – Jun. 2016
Middle East Technical University	Ankara, Turkey

WORK EXPERIENCE

Founder & CEO	Jan. 2018 – Feb. 2022
Mekadermis LLC.	Istanbul, Turkey
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • 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