



AYBERK SADIC

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

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Location: Tokyo, Japan

Date of Birth: 11/11/1992

EDUCATION

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

WORK EXPERIENCE

Founder & Systems Architect	Jan. 2018 – Feb. 2024
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 Electrovibration 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