

MUMIN GULMEZ
Mechanical Engineer M.Sc.

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PROFESSIONAL EXPERIENCE

2021 - Present Senior Expert in R&D Center (MERC), Midea Europe GmbH
2017 - 2021 Product Development Lead, New Platform Project of the BI SBS Refrigerator, BSH Home Appliances
2015 - 2017 Development Engineer, Functional Development of the BI SBS Refrigerator, BSH Home Appliances
2013 - 2015 Research and Development Engineer, R&D Department, Smach Ice-Cream Machines Co
2012 - 2013 Co-Founder, IT and Marketing Solutions, Alizvel Computer
2012 summer Intern, Production Planning, MetalFrio Solutions Klimasan
2011 summer Intern, Quality Control Department, Norm Fasteners Company

EDUCATION

- M.Sc., Mechanical Engineering, Arel University, Istanbul
- B.Sc., Mechanical Engineering, Celal Bayar University, Manisa
- B.Sc., Science Teaching, Hacettepe University, Ankara
- Izmir Anatolian Teacher Training High School, Science Graduates

LANGUAGES

Fluent in English, Beginner in German

COMPETENCIES AND SKILLS

Project Management, Product Development, 8D Problem Solving, FMEA, Data Analysis, Performance Optimization, Cross-functional Coordination, MSC Adams, AutoCAD, SolidWorks, NX Unigraphics, SpaceClaim, ANSYS, Fluent, Microsoft Project and Office, SigmaData, C, SQL, MySQL, PHP, HTML, Visio, Arduino, PLC, Solar Cells, Rapid Prototyping, Refrigeration, EN 62552, IEC 62552, ISO 17025, CSA C300-15, 10 CFR Part 430, 16 CFR Part 305, AHAM HRF-1, EPA Energy Star

PROJECTS AND ACHIEVEMENTS

- M.Sc.: Design and Development of a Refrigerator Door Gasket to Prevent Condensation, 2019
- New Platform Project of the Thermador & Gaggenau Refrigerators Columns, 2018
- Modeling of a Refrigeration System with the Natural Refrigerant CO₂, 2017
- Dry Aged Beef Appliance, Gaggenau Refrigerators, 2016
- Remote Access Smart Vending Appliance with Clouds, Smach Nil Series, 2015
- High-Efficient Mini Cold Plate Design with Fluid Mechanics and Thermodynamics Analysis, 2014
- A prototype vehicle with the Early Warning, Safety Protection and Telemetry System, 2013
- International Bilimtey Science Days, 2010 to present

HONORS, AWARDS, AND AFFILIATIONS

- Winner of the RTC Pitch Day, BSH Home Appliance, 2018
- The Inventor of the Year, BSH Home Appliance, 2017
- Innovative Idea of the Year, BSH Home Appliance, 2017
- ASHRAE Community Member, 2017
- Unique Storage, BSH Annual Innovation Day 2016
- Prince Michael International Road Safety Awards 2013 Winner (With Royal Dutch Shell)
- Shell Eco-Marathon Europe, 2012 Solar Prototype 4th, 2013 Battery-Electric Prototype 20th
- CBU Engineering Design Competition, Runner-up, 2013
- Izmir Institute of Technology Robot Contest Winner, 2012
- TUBITAK Formula-G Racing in 2011, 2012 and 2013 Finalist
- TEV Scholar and Outstanding Achievement Award Scholarship - 2010, 2011, 2012 and 2013
- Celal Bayar University Solar Car Team (EcoMagnesia), Vice-Captain, 2010 to 2013
- Bilimtey Science Society Founder and Honorary Member, 2008 to present