

Arman Karakoyun

Mechanical Engineer – Energy Engineer

Knowledgeable about overseeing experimental designs, performing root cause analysis and establishing testing schedules. Well-versed in leading projects, teams and material reviews. Methodical, astute and pragmatic in handling routine and complex problems.

Work History

2020-09 – Current	Graduate Student Researcher <i>Korea Institute of Science & Technology, Center for Medical Robotics, Seoul</i> <ul style="list-style-type: none">Mechanical design of surgical equipmentCAD Design3D Printing & Fast Prototyping
2019-01 – 2020-03	Intern Researcher <i>Korea Institute of Science & Technology, Hydrogen & Fuel Cell Research Centre, Seoul</i> <ul style="list-style-type: none">Catalyst synthesis methodsDeveloping support materials for Pt based catalystsElectrochemical Analysis Methods (Half-cell and single cell tests)
2017-06 - 2018-07	Undergraduate Student Researcher <i>TUBITAK-Istanbul Bilgi University, Mechanical Eng., Istanbul</i> <ul style="list-style-type: none">Fabrication and Characterization of Thermoelectric Materials
2017-08 - 2017-09	Energy Systems Engineer Intern <i>Park Thermic Electricity Industry & Trade Inc., Ankara</i>
2017-07 - 2017-08	Mechanical Engineer Intern <i>Eroglu Plastic Ind. Trade Co. Ltd, Istanbul</i>



Contact

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E-mail

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Personal Website

<https://armanc.karakoyun.github.io/>

Skills

Report writing

●●●●●
Excellent

SolidWorks

●●●●●
Excellent

Autodesk Inventor

●●●●●
Very Good

ANSYS

●●●●●
Very Good

2016-10 -
2017-05

Undergraduate Student Assistant

Istanbul Bilgi University, Mechanical Eng., Istanbul

Assisting **ANSYS** and **Autodesk Inventor** Lectures

Assisting Thermodynamic and Physics I Lectures

2016-07 -
2016-08

Mechanical Engineer Intern

Gor-sel Sogutma , Istanbul

2016-06 -
2016-07

Energy Systems Engineer Inter

Akenerji Electricity Production Inc., Istanbul

Education

2020-09 -
Current

Master of Science: Division of Nano & Information Technology (HCI & Robotics)

University of Science & Technology- KIST School Campus - Seoul, Republic of Korea

Current GPA : 4.24/4.5

2012-09 -
2018-07

Bachelor of Science: Energy Systems Engineering

Istanbul Bilgi University - Istanbul, Turkey

Received Full Scholarship

Thesis: Comparison of the possible applicability of electric vehicle and hydrogen vehicle in Alaçatı (İzmir/Turkey) region

Graduated with 3.5 /4.0 GPA

2015-09 -
2018-07

Bachelor of Science: Mechanical Engineering

Istanbul Bilgi University - Istanbul, Turkey

Received Full Scholarship

Thesis: Manufacturing of Thermoelectric Material for Automobile Applications

Graduated with 3.5/4.0 GPA

Awarded in Istanbul Bilgi University, Mechanical Engineering Department, Best Senior Project Award

AutoCAD

Very Good

Laboratory testing and analysis

Very Good

MATLAB

Very Good

MS Office

Very Good

JAVA

Good

Material Science

Good

Languages

English

Superior

Turkish

Native

Kurdish

Native

Korean

Beginner

Certifications

2016-09	Step by Step to Your Future, Youth Exchange, Erasmus+ Project, Craiova, Romania
2016-08	Stay Small Town Active Youth, Youth Exchange, Erasmus+ Project, Craco, Italy
2016-04	In Our Hands, Youth Exchange, Erasmus+ Project, Zatonie, Poland
2016-01	Europe... Europe? Europe!, Erasmus+ Youth Exchanges, Differdange, Luxembourg
2015-09	Animate Yourself! , Mobility of Youth Worker, Erasmus+ Project, Durau, Romania
2015-07	Non-Stop Running, Youth Exchanges, Erasmus+ Project, Şanlıurfa, Turkey
2014-12	Danfoss Turkey – Istanbul Bilgi University, Istanbul, Energy Efficiency Certificate Program

Hobbies

Salsa, Bachata, Origami, Cooking, Travel