

EMİR MOBEDİ

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EDUCATION

- | | |
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| 2016 – ... | Izmir Institute of Technology, Izmir, Turkey
M.Sc. in Mechanical Engineering
Thesis Title: Design of Variable Stiffness Mechanisms for Use in Human – Robot Interfaces |
| 2010 – 2014 | Celal Bayar University, Manisa, Turkey
B.Sc in Mechanical Engineering |
| 2006 – 2010 | Menemen Anatolian High School, Menemen, Izmir |

WORK EXPERIENCE

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| 2010 – 2016 | MOBEDI® Truck Cab Tilting Pumps and Cylinders Manufacturing Industry, Izmir, Turkey |
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Assistant of the Manufacturing Engineer (Part-time job)

- 3D modeling and revision of hydraulic cab tilting pumps and cylinders for trucks and trailers
- Preparation of installation guides for assembly-line technicians
- Forging die molds for hydraulic cylinders design and production
- Tolerance and O – ring calculation for hydraulic pumps and cylinders
- Design of the test equipment for hydraulic parts (0-450bar)
- Welding robot design and product for hydraulic cylinders
- CNC vertical and CNC milling machine programming (FANUC and SIEMENS)

COURSE PROJECTS

2016 – 2017

ME580 Haptics & Teleoperation

- Haptic Rendering
- HIPHAD Haptic Device Performance Experimentation
- Teleoperation System Design with Novint Falcon Haptic Device

ME587 Microcontroller Embedded Systems

- Tachometer Production with Using PIC Microcontoller

LANGUAGES

Turkish: Native

English: Advanced

German: Beginner

ADDITIONAL INFORMATION

Date of Birth & Place: January 18th 1992; İzmir, Turkey

Marial Status: Single

Military Status: Postponed (18.06.2019)

COMPUTER SKILLS

- Solidworks 2016 (Solid-Sheet Metal-Simulation-Technical Drawing): Advanced
- Unigraphics NX 7.5 CAD – CAM (3 and 4 Axis Machining): Advanced
- C Programming Language: Beginner
- MATLAB 2015 (Coding): Intermediate
- MATLAB – Simmechanics: Advanced
- Microsoft Office Tools: Advanced

CERTIFICATIONS

Unigraphics NX 7.5 CAM – ELGINKAN FOUNDATION

CNC Vertical and Milling Machine Programming Course – ELGINKAN FOUNDATION

HOBBIES

Playing Electro Guitar and Violin

Basketball and Fitness

ACADEMIC INTERESTS

Teleoperation Systems

Variable Stiffness Mechanisms

Hydraulic Systems

REFERENCES

Dr. M. I. Can Dede (M.Sc. thesis supervisor) – Assistant Professor, Department of Mechanical Engineering, İzmir Institute of Technology, İzmir, Turkey

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