



## MamRez Dabirzadeh

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## Professional Experience

### July 2020– Now

- **Freelancing, Design, development, and implementation of products, machine design, etc.**

### March 2019 – July 2020

- **Senior product designer and project manager, Emersun Co.**
- **Design and development of Home Appliances**

### Sep. 2014 – March 2020

- **Senior R&D specialist, Maplejet co**

### Sep. 2010- Sep. 2014

- **B.Sc. in Mechanical Engineering, Sharif University of Technology, Tehran, Iran**

## Skills

- **TOEFL iBT: 104/120** (Subscores: R **28**, L **27**, S **24**, W **25**) Nov. 2014
- **GRE General: Quant. Reasoning 167, Verbal Reasoning 150, Anal. Writing 3.5** Oct. 2014
- **Solidworks** (General, Simulation, Motion, Photo View, etc.)
- **MATLAB & Simulink** (general, programming, SimMechanics)
- **ABAQUS** (Primary)

## Selected projects

- **EPS wall panel production line**, Design, implementation and production of two production lines, WallCrete co.
- **Gravity scissor lifter**, With lifting capacity of 1.5 Tons, Design, implementation and production. WallCrete co.
- **Vending machine**, Under development, design, research and development, techochef co.
- **Top-freezer W75**, Featuring twin cooling system, automatic water dispenser, automatic ice maker, and fresh zone shelf in the fridge. Emersun Co.
- **Electric Oven Toaster**, Featuring convection fan, Rotisserie, 8 cooking functions, temperature control, and timer. Emersun Co.
- **Hx Nitro printer**, Design & Development, multi-disciplinary project, Presented in PackExpo 2017 Chicago, MapleJet Co
- **PD70 Printer**, Deesign and development of stand, ink system, motion system, print module, elevator, presented in PackExpo 2016 Las Vegas

## Honors and Awards

- **Ranked 35<sup>th</sup>** in the Nationwide University Qualification Test Jun. 2011
- **Fellowship Award**, direct PhD admission, Rutgers university, New Jersey Aug. 2014