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PHD STUDENT
SCHOOL OF ENGINEERING
UNIVERSITY OF GUELPH
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Background

Work, education, research

- PhD Student-Mechanical Engineering, Energy conversion system with the application of magnetic field in magnetic nanofluids.
- Master's Degree (ES&C) - University of Guelph, A novel design for Magnetorheological braking system using genetic algorithm.

Industrial Experience

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| Stratosphere Quality Co. <i>Quality Control Engineer</i> | 2014-2015 |
| Tehran Railway Operations Co., <i>Mechanical designer</i> | 2009-2011 |
| Mechanical Engineering Society of IAU, <i>Coordinator</i> | 2007-2008 |

Teacher Assistant

2011-present

Tutored more than 500 students in different subjects such as: Machine Design, Engineering Design I, Engineering Design II, Electromechanical Devices, Engineering Analysis, Engineering Economics, and Systems and Control Theory.

Additional Information

Scholarships, Membership

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| Dean's Scholarship, <i>Academic Excellence</i> , | 2011, 2012, 2015, 2016 |
| Engineering Alumni Scholarship, <i>College of Physical and Engineering Science</i> | 2016 |
| Ontario Society of Professional Engineers (OSPE) | |
| Student member of Institute of Electrical and Electronics Engineers (IEEE) | |
| Student member of Canadian Society for Mechanical Engineering (CSME) | |
| Member of Iranian Society of Mechanical Engineers (ISME) | |
| Member of Society of Manufacturing Engineering of Iran | |

