Saadedine A. El-Homsi

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Master's of Science Degree at the University of Rochester
Biomedical Engineering   **Anticipated May 2017**

- Center for Medical Technology and Innovation (CMTI) program for medical device design
- Summer 2016 spent viewing surgeries and procedures at Strong and Highland Hospitals

Bachelor of Science Degree at the University of Rochester,
Biomedical Engineering Major, Mechanical Engineering Minor   **May 2016**

- Prince Street Scholarship recipient (awarded for maintaining high academic standards while being active in Performing Arts) 2012-2016
- Hall Council Representative 2012-2013
- Mentor for the UR Biomedical Engineering (BME) mentoring program 2014-2016
- Awarded Best Project at the UR BME Poster Fair in December 2012 for project on the Ilizarov Apparatus.
- Senior Design Project on developing a device to enforce proper set-up of infusion pumps to ensure correct drug dosage and decrease complications. Project was sponsored by Baxter Healthcare.
- Senior Design Project on developing a method of detecting cracks in the surface layer of fuel cells prior to the cell's assembly. Project was sponsored by General Motors.
- Selected Courses: Biomechanics, Biosystems and Circuits, Biosignals, Biomaterials, Biomedical Computational Statistics, Quantitative Physiology, Biosolid Mechanics, Biomedical Engineering Design, Materials Science, Solid Mechanics, Fluid Dynamics, Thermodynamics, Mechanical Design.
- Cumulative GPA of 3.46/4.00

Supplier Quality Engineering Intern at Invacare Corporation   **June-August 2015**

- Issued PPAP (Pre-Production Approval Process) forms and reviewed responses and test results to ensure design specifications were met
- Analyzed and revised design prints of various medical device parts through the Engineering Change Control (CC) Process
- Worked directly with suppliers to rectify product nonconformances
- Participated in supplier audit
- Assisted department during 3rd Party Quality Management System (QMS) audit by retrieving and preparing files
- Lead initiative to improve organization of supplier information including developing a file tracking methodology

Selected Skills

- Microsoft Office Suite, MATLAB, 3D Modeling and Finite Element Software (Solidworks, Siemens NX, Abaqus)
- Team Building, Communication, and Leadership skills gained through extensive group laboratory and class projects
- Excellent Public Speaking and Presentation skills

August 8th, 2016