

# Redouane Hafassa

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**OBJECTIVE:** A highly motivated team player seeking a full-time position in the engineering field

## EDUCATION

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### University of Houston

Master of Business Administration – Concentration: Project Management/Process Improvement

*Graduation: May 2022*

### University of Houston

Bachelor of Science in Mechanical Engineering Technology (ABET Accredited)

*Graduation: May 2020*

## PROFESSIONAL EXPERIENCE

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**Mitsubishi Caterpillar Forklift America, Inc** - Manufacturing Engineer Intern - Houston, Texas

*May 2019 - Present*

- Developed an efficient storage unit for tools, fixtures, and mast stands for forklifts based on OSHA standards.
- Implement and refine manufacturing processes by applying continuous improvement to all areas of production.
- Apply lean techniques (5S, VSM, Time Study, Cellular Manufacturing) to improve workforce management.
- Create manufacturing documents (SOP/OMS etc.) for forklift option installation.
- Selected as the only intern out of 15 students to continue working throughout the school year.

**Siemens Energy, Inc** - Power Generation Engineer Intern - Deer Park, Texas

*Sept 2019 – May 2020*

- Assembled Poreba lathe machine for operational use on a large production scale.
- Implemented value stream map to optimize warehouse space, material flow, and a safe workspace to install industry machinery.
- Executed the lean six sigma strategy for process improvement: organize work flow and optimize resource utilization.

**Majestic Synthetic Oil Company, LLC** - Supply Chain Analyst - Pasadena, Texas

*Nov 2016-May 2019*

- Led development of 50-client supply chains resulting in cost reduction for clients.
- Improved customer relations by enhancing customer service and inventory management throughout projects life cycle.
- Managed sale and procurement of inventory totaling over \$100MM.
- Enhanced relations with over 1000 customers nation-wide.

**Vilmar Group Genoyer** - Subsea Engineering Intern - Ramnicu Valcea, Romania

*May 2015-Aug 2015*

- Designed subsea pipelines using CREO.
- Performed pipeline stability analysis via PTC Mathcad, ensuring compliance with ASME.
- Designed flanges and vessels for use by the oil and gas industry in subsea environment.
- Conducted destructive and non-destructive tests: tensile testing, impact testing, hardness testing, ultrasonic inspections.
- Promoted a safe work environment by ensuring proper PPE is worn in machine shop/lab.
- Maintained an active role within the organization and represented the company at the Subsea Tieback Forum & Exhibition.

**Sam's Club #4763** - Certified Automotive Technician - Sugarland, Texas

*July 2015-Nov 2016*

- Oversaw service operations as machine shop lead.
- Ensured prompt problem solving and customer satisfaction.
- Sustained a safe work environment (proper ergonomics while working with parts and tools).
- Trained new employees.
- Assumed managerial responsibilities in the absence of the manager.

**Texas Aquatic Enterprise** - Red Cross Lifeguard, Manager - Houston, TX

*Feb 2009-May 2015*

- Contributed to the safety and security of the area by enforcing facility rules and procedures.
- Obtained CPR/AED and first aid certification.
- Promoted to manager the first summer after performing a rescue and successfully administrating CPR.

## SKILLS

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- Software: SolidWorks, ANSYS, OrcaFlex, AutoCAD, CREO, CFD, Mathcad, AVEVA Everything 3D, MATLAB, C++
- Languages: English - native; Arabic – proficient

## LEADERSHIP/AFFILIATIONS

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- American Society of Mechanical Engineers - Networking Committee (organize networking events)
- National Society of Leadership and Success (regularly attend speaker broadcasts and networking events)
- Junior Achievement: Advised elementary students on value of higher education and financial literacy