

Hossein Ghazinezhad

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Objective

- Designing tools, jigs, and fixtures in the manufacturing process.
- Creating and preparing production drawings using 3D software.
- Applying GD&T principles to ensure precision in part drawings and assemblies.
- Conducting static finite element analyses (linear and non-linear).
- Developing manufacturing processes through equipment design and modification.
- Adapting, planning, and coordinating various phases of the production process.

Professional Experience

Mechanical Designer, April 2022 - Present

AFT Fiber Technology

Sherbrooke, Québec

- Storage tanks and filtration design based on standard datasheets.
- Initiate production orders, including material lists, instructions, and manufacturing.
- Participate in the submission process by identifying external service requirements.
- Reverse engineer equipment and worn components.
- Model 3D parts in assembly contexts and design welding fixtures.
- Provide technical support to manufacturing operations and quality services.

Mechanical Designer, March 2020 - April 2022

S.T.P Rotomachinery Inc.

Sherbrooke, Québec

- Mechanical and structural design for welding and assembly using SolidWorks.
- Design and develop tooling required for machining specific parts.
- Create drawings, plans, and assembly diagrams for mechanical systems.
- Design 3D parts within assembly contexts and develop welding fixtures.
- Contribute to process optimization and the development of manufacturing methods.
- Prepare technical assembly documentation and other design reports.

Mechanical Engineer/Coordinator, 2011-2018

Iranian Offshore Engineering and Construction (I.O.E.C)

Tehran, Iran

- Create 3D models and fabrication plans for mechanical equipment such as Pressure Vessels and Heat Exchangers.
- Design suitable jigs and accessories for product assembly and welding.

- Interpret technical information related to materials and manufacturing processes.
- Draft technical requests based on ASME and API standards to implement modifications and introduce new methods in the manufacturing process.
- Develop mechanical equipment by analyzing customer requirements.
- Research and test manufacturing and assembly methods and materials.
- Develop manufacturing processes by designing and modifying equipment for component fabrication, assembly, and installation.

Education

Bachelor's Degree in Mechanical Engineering (Evaluated by Québec and WES)

Bachelor's Degree in Manufacturing Production Engineering, 2006-2008

Shahid Rajaei Teacher Training University, Tehran, Iran

Mechanical Engineering Techniques (DEC) (Evaluated by Québec and WES)

Diploma in Industrial Design, 2004-2006

University of Applied Science and Technology, Tehran, Iran

Software Skills

- **Autodesk Inventor**
- **Auto Cad**
- **SolidWorks**
- **Nastran (FEA Simulation)**
- **Catia V5**
- **Microsoft Word, Excell, Outlook**

Languages

- English (Proficient)
- French (Proficient)
- Persian (Native)