System Engineer / Mechanical Designer

**Ran Siman Tov**

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**Summary**

* **Over 4 years of experience** in **Mechanical engineering** in a **global multidisciplinary American company - Flare Fireplaces**
* **Mechanical Designer** experience in **practical engineering design**
* Experience in **leading an engineering product process** from design through prototypes and serial manufacturing
* Testing products to **CSA safety standards regulation** (North America standards)
* **B.Sc. in Mechanical engineering,** specializing in **mechatronics**
* **Direct management of employees** who are responsible from the development phase to the assembly of the product - **NPI**
* Analytical thinking ,self-learning, team player
* **English** - high level

**Work Experience**

2021 - Today **Engineering Lead,** **Flare Fireplaces**

* **Leading projects** from the design phase to delivery to the client
* Design of **mechanical assemblies and mechanisms** - design of **complex gas Fireplace systems**
* Designing **Mechanical and Electronic packaging**
* **Serves as the company's chief** engineer in a **multidisciplinary** environment
* **NPI |** Guide the production process - planning, laser cutting, bending and assembly department
* Provides a solution to faults that arise from the needs of the customer and production floor. Reducing and simplifying the production process
* Managing contact with customers and suppliers abroad
* Design in **CAD** software - **Solidworks**

2018-2020 **Mechanical Designer,** **Flare Fireplaces**

* Design of mechanical assemblies and mechanisms - **design of complex gas Fireplace systems**
* Designing Mechanical and Electronic packaging
* **Provides a solution to faults** that arise from the needs of the customer and production floor
* **Reducing and simplifying the production process**
* Design in **CAD software** - **Solidworks**
* Knowledge of **drawing**, **giving dimensions**, **geometric tollers** - GD&T
* **Proficiency in production processes** (laser, tin bending)
* Locating bottlenecks/risks and finding solutions thereto
* Technical support in the manufacturing floor
* Responsibility for transferring mechanical assemblies **from development to production**
* Create mechanical designs for new products and fixes problems with existing products
* Support the Production line on an on-going basis, including escalations management
* Responsible for building Product/Production files, Product documentation, BOM, jigs and tools design

**Education**

2014 - 2018  **B.Sc.** **Mechanical engineering**, **specialization in mechatronics**, Ariel University

* Formula car design - final drive system
* Courses on **microprocessors C++, microC**
* Finite element analysis using **Abaqus** software course

**Software skills**

* **Solid Works**, **Metalix**, **Priority**

**Military Service**

2006 - 2009 Fighter in anti tank paratrooper unit, IDF

**Languages**

**Hebrew** - mother tongue | **English** - high level