Mechanical Engineer

**Sarah Berkover**

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**Summary**

* **6 years** of experience as a **Mechanical Engineer** specializing in **hydraulics**
* Hands-on experience in managing **multiple projects**, **backlogs**, and **timelines**
* Proficient in **mechanical assembly techniques**, including **technical drawing interpretation**, **tool utilization**, **measurements**, **torquing,** and **alignments**
* Experience in conducting **functional tests**, **inspections**, and **measurements** to ensure **product quality** and compliance with **specifications**
* Interacted with other **engineering disciplines**, clients, and **vendors at all levels**
* Well-familiar with various **mechanical components**, and with **testing equipment** and **tools**
* Knowledge of **safety protocols** and **procedures** in a manufacturing or assembly environment
* Ability to **identify** and **troubleshoot** mechanical issues and propose effective solutions
* Experience in **reverse engineering**
* Proven experience with **Solidworks** and **Paro NL Software**
* **B.Sc. Mechanical Engineer**
* **English** - Full Professional Proficiency

**Experience**

2018 - Present **Mechanical Engineer**, J. Bivas Hydraulic Equipment & Accessories, Kfar Kaseem

* Worked in the machine shop, taking apart **hydraulic** pumps, **motors**, and **valves** and helping assemble hydraulic systems.
* Did **technical** sales, **project management**, and **manage** internal product numbering.
* Organized **technical** documents, communicate with **suppliers**, **customers**, **engineering**, and **logistics**
* Made sure to organize changes to the project and revisions, and **kept track** of timelines
* Worked with **Solidworks**, **Paro NL Software**
* Finding equivalent **pumps**/**motors**/**valves** from our stock.
* Finding the **technical catalog** of the manufacturer of the customer’s part and then looking through our catalogs for the equivalent part.
* Make sure the **speed, torque, pressure, flow rate**, and **physical body** of the **motor** are all equivalent
* I **manage** and create internal part numbers that allow equivalent parts from different manufacturers to come up together on internal searches
* **Reverse engineer valves** for cranes to replace parts that may have been stolen or are otherwise unknown.
* Technical support for **Danfoss Power Solutions**

2017 **Mechanical Engineer**, Fast Laser Group, Hod Hasharon

* **Designed** and **manufactured** **mechanical** parts for fiber optic units and managed stock and storage facility.

**Education**

2011 - 2016 **B.Sc. Mechanical Engineer**, Azrieli College of Engineering, Jerusalem

2007 - 2009 **Middle College Program**, Foothill Community College, Los Altos, California

2005 - 2009 **Student**, **Palo Alto High School**, Palo Alto, California, USA

* MIT Lemelson Grant, MIT, Boston, Massachusetts
* FIRST Robotics Competition: mechanics team co-captain
* TIG welding and basic machining

**Skills**

**Solidworks, Paro NL, Machine shop, PDM**, **LabVIEW, Plus +1**

**National Service**

2010 - 2011 Bat Sherut, Bloomfield Science Museum Jerusalem

**Languages**

**Hebrew** - Fluent | **English** - Native