

# Leland Curtiss

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Mechanical / Project Engineer  
& Engineering Manager

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## Summary

Mechanical Project Engineer with management experience and 10+ years in project management, process improvement, and everything from design to testing mechanical parts and assemblies. I am seeking new opportunities with a company that can benefit from my wide skill set.

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## Education

### Georgia Institute of Technology

2002 – 2006

Bachelor of Science in Mechanical Engineering  
Minor in Computer Science

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## Experience

### Project Engineer / EBS Configuration Team, Genie Industries

2017 – Present

Lead the certification team for ANSI/CSA for several product lines before moving to the Configuration Team to automate and improve our internal processes.

- Revamped and updated stability and machine integrity calculations for product lines
- Certified products for updated standards by witness testing and maintaining technical documentation
- Reduced order times via scripting tools and virtual desktops
- Created Oracle E-Business Suite ERP for Engineering parts, bill of materials and sales configurations
- Created web application demos for parts database and customer QR lookups via MySQL and Node.js
- Generated reports for Sales and Engineering using data within our Oracle EBS via SQL Developer

### Engineering Manager, GIW Industries

2011 – 2017

Managed a team of several engineers and CAD operators as the primary engineering support center for all other departments.

- SAP Implementation Lead – Successfully executed data migration from AS400 into SAP P14 environment and created the electronic workflows for all parts creations after implementation
- SharePoint Governance Lead – Standardized CAD processes and SAP processes via internal wiki and team discussions as Engineering Dept and SAP Implementation site owner
- Created product documentation, manuals, templates, and relevant translation materials
- Established GD&T and ASME Y14.5 rulesets between departments
- Recruited talent for Engineering, Sales and Operations teams

### Design Engineer, GIW Industries

2006 – 2011

Designed new parts, assemblies, tooling and bill of materials for new and existing products.

- Utilized years of test data to develop new scaling methods for all product performances
  - Converted R&D test data into product selection calculations and sales literature
  - Performed structural integrity checks using FEA software packages within NX and FEMap
  - Created animations, videos and other marketing materials using NX, Adobe CS and 3D Studio
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## Skills

SolidWorks / Siemens NX  
SharePoint / InfoPath / Nintex  
GD&T / Internal Wiki Lead  
FaroArm Reverse Engineering  
ANSYS / Analytix  
Doc Control / Translation Mgmt

ASME Y14.5 Dimensioning  
JIRA / MS Project Mgmt  
SQL Developer (Oracle) / MySQL  
AutoHotkey / WinAutomation  
Adobe CS6 (Ps / Pr / Ai / Fl)  
3D Studio Max

SAP (P14 Template)  
Oracle EBS Configuration  
Node.js / JavaScript Web Dev  
HTML / CSS / jQuery  
Python / MATLAB  
Linux / RegEx

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*Design portfolio and references available upon request*