
PROFESSIONAL SUMMARY

- 11 years' experience in Mechanical Design and Documentation
- Design from conception through CAD modeling and drawing creation
- Processing Engineering Change Orders (ECOs); maintaining parts lists

TECHNICAL SKILLS

- Solidworks (2 years), ProEngineer (11 years), AutoCAD (8 years), Intralink/PDM (11 years)
- MasterCAM, CNC Programming, set up and operation of HAAS Mini-Mills and Lathes
- Adobe Creative Suite (Photoshop, Illustrator, InDesign, Dreamweaver)

RECENT PROFESSIONAL DEVELOPMENT + EDUCATION

MassBay Community College: 2016-2017

- Plastics, surfaces, sheet metal and detailing classes using Solidworks.
- Real world project – Designed/documented a camera arm assembly for SMC Ltd.

Worcester Polytechnic Institute and Mass Manufacturing Extension Partnership: 2016

- Advanced CNC Skills Training – Wrote G&M Code to program CNC machines. Setup tooling and workpiece offsets for HAAS mills and lathes.
- CNC Pre-Apprentice Certificate – CNC setup and operation, MasterCAM training for HAAS milling and turning centers. Creation of geometry, stock and tool setup, tool paths and drill cycles for mills/lathes.

Quinsigamond Community College: 2015-2016

- Solid modeling using Solidworks. Obtained CSWA Certificate.
- Mechanical CAD – AutoCAD.

Mount Wachusett Community College: 2011

- Associate of Science Degree in Graphic Design, Summa Cum Laude

Tufts University – School of Engineering: 1995

- Bachelor of Science in Mechanical Engineering, Magna Cum Laude

ENGINEERING WORK EXPERIENCE

Medica, Bedford, MA (Contract) 2007

Mechanical Detailer / Led the incorporation of ECOs, assembly drawings and parts lists for medical devices.

InDepth Design, Lawrence, MA (Contract) 2006-2007

Mechanical Designer / Led the design and detailing of semiconductor equipment leaving principal more time to conceptualize and consult with clients. Assisted with client design and progress reviews.

Raytheon, Marlborough, MA 1999-2006

Mechanical Design Engineer

- Worked with interdisciplinary teams to design an electro mechanical assembly by selecting off the shelf components to cut unit costs by \$1000 from initial design.
- Streamlined synthesizer frame design and documentation process from eight to four weeks.
- Designed keypad assembly with brazed case and off the shelf parts. Negotiated vendor tooling charges and prices. Researched and selected gaskets and display windows.

Schwarzkopf, Franklin, MA (Contract) 1998-1999
 Mechanical Designer / Led design and documentation of 200+ part heat shield products.

OTHER WORK EXPERIENCE

Enterprise, Worcester, MA 2017
 Driver

OfficeTeam, Framingham, MA 2015-2016
 Office Administrator / Data entry, filing, mass mailings, MS Excel work, reception coverage. Completed client projects consistently ahead of schedule.

Staples, Framingham, MA 2012-2014
 Copy and Print Associate

- Produced professional quality, rapid turnaround printed collateral.
- Regional VP recognition for customer support on a team responsible for 12% yearly growth.
- Sought and interviewed for internal transfer to corporate Graphic Design positions.

All for the Lord, Still River, MA 2008-2012
 Graphic Designer

- Incorporated my own Graphic Design company. Learned to network and find clients.
- Worked with clients from design through vendor selection, printing and manufacturing.
- Advocated relentlessly for clients' projects at print shops.
- Designed commercial, church and non-profit collateral: brochures, postcards, ads, tee shirts, logos, cartoons and websites, using my own original photos when possible.

CERTIFICATIONS

- Solidworks Mechanical Design Associate (CSWA Certificate #C-EZPHUFKUWD)
- MAC (Manufacturing Advancement Center) Machine Operator Apprentice
- MAC / WPI Certification of Completion – Advanced CNC Skills Training
- Time Wise Principles of Lean Certificate
- OSHA 10-hour General Industry Safety and Health