

SEAN TIERNEY
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GANSEVOORT, NY 12831
SDOTTIERNEY@GMAIL.COM

SKILLS AND CAPABILITIES

- Practical application of mechanical engineering principles to develop, modify, test, or calibrate machinery and equipment
- Using logic and reason when problem solving, identifying design strengths and weaknesses, and determining impactful solutions
- Optimizing product design for manufacturability
- Complex mechanical assembly, maintenance, and repair
- Knowledge of mechanics, strengths of materials, material properties, machine design
- Ability to interpret technical documentation, including drawings, specifications and work instructions
- Functional application of GDT, dimensioning schemes, and fits and tolerances
- Proficient in Autodesk Inventor, Microsoft Office, Agile
- Effective problem solver, competent project leader, altruistic team player
- Strong communication and research ability

EXPERIENCE

Designer/Drafter **Philips Medical** Latham, NY June 2015 – December 2017

- Produce assembly, detail, and layout drawings based on input from engineering and other departments
- Review drawings for accuracy and compliance to organizational policies and procedures, industry standards and requirements of projects
- Support engineering change orders and change requests by soliciting input from various technical areas
- Maintain material records, bills of material, and part lists in computer-based lifecycle planning software
- Drive product and process optimization to satisfy customer and business needs
- Assist in development of design team standardization

Engineering Technician **Dynamic Systems, Inc** Poestenkill, NY October 2012-June 2015

- Devise, fabricate, and assemble new or modified mechanical components and assemblies for products and custom solutions
- Calculate required capacities for proposed components and assemblies to obtain specified performance and submit data to engineering personnel for approval
- Review project instructions to ascertain test specifications, procedures, and objectives, and requirements
- Set up and conduct tests of assemblies and components under operational conditions to validate design
- Record and submit test results to engineering department and recommend design or material changes
- Draft part, assembly, detail and layout drawings for internal and external use
- Verify and process engineering change orders and engineering change requests
- Maintain machine records, bills of material, and part lists in computer-based lifecycle planning software

Seals Specialist **Turbo Parts, LLC** Clifton Park, NY June 2007-January 2011

- Coordinate with Sales and Engineering to process orders for steam turbine seals
- Produce manufacturing drawings using computer drafting tools according to schedule
- Review manufacturing drawings for accuracy and compliance to order specifications
- Maintain turbine archive and bills of materials in computer based lifecycle planning software
- Support manufacturing and field services by providing technical documentation

EDUCATION

Graduate of Hudson Valley Community College	Mechanical Engineering Technology	2012
Graduate of Adirondack Community College	Marketing	2006
SUNY Delhi	ADDA Certified Detailing Draftsmen	2003

REFERENCES

Kevin Grace
Development Engineer
Philips Medical Latham, NY
919-271-8223

James Benway
Embedded Systems Developer
Dynamic Systems, Inc Poestenkill, NY
518-867-5455

Jim Papa
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