

BENJAMEN D. HEMPSTEAD, PE

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I have a broad range of experience in machine tool design and manufacture; everything from marketing/bidding to concept design to detail design and analysis, manufacture of components, sourcing, assembly, test, customer acceptance, through on-site installation and final acceptance and long-term and warranty support. As Chief of Staff I promote and maintain corporate culture, interview applicants, conduct the raise review process, and provide progressive discipline where needed.

I seek to get paid to build cool stuff and have fun while earning money and expanding the market share for my employer.

Education/ Training:

B.S. Mechanical Engineering, Univ. of Washington 1994.

Areas of interest and focus:

- Coldworking
- FEA (ANSYS)
- 3D CAD including Catia V5, AutoCAD, Keytech PDM

Professional Affiliations:

Washington State PE License #37968

Gubernatorial Appointee to Washington Council on Aerospace

Vice-Chair: Aerospace Futures Alliance www.afa-wa.com.

Member, ASME.

Chair, Legislative Workforce Pipeline Advisory Committee

Work Experience:

Electroimpact, Inc. www.electroimpact.com

Mechanical Engineering Lead and Chief of Staff

IS09000/AS9100 Lead Internal Auditor

Community/Government Relations Manager

401(k) plan administrator

Design of machinery for automated fastening of aircraft wings. Manage projects from concept to turn-key. Mentor other engineers in the selection of precision components and the use of CAD and FEA software; perform structural analysis; specialties include linear motor technology; linear encoders; and loadcells. Perform concept, detail design, analysis of these technologies and assembly/installation of product. Largest project budget to date is \$53m USD, with over 30 engineers on staff. Assist Quality Manager in management of the Quality Management System. Represent the company and industry by testifying to the State Legislature. Oversee 401(k) plan for 452 enrolled employees and report to the Trustees. Conduct engineering reviews for 250+ engineers. Apply discipline and terminations. Other duties as assigned.

Mukilteo, WA.

10/94 to present

Black Ram and Associates Engineering

Concept and Design Engineer. Design, analysis, and manufacturing of mechanical systems and components. New product development for tooling in heavy truck mfg.

Bothell, WA.

10/93 to 7/94

Powder Rite Inc.

Sheet Metal Fitter. Installed equipment related to the powder coat process. Supervised 2 workers and assembly of wash and oven facilities. Redmond, WA. 7/93 to 9/93

Doc Freeman's, Inc.
Technical equipment sales and consulting in the marine field.
Advertising and technical illustration/communication.
Seattle, WA. 5/91 to 5/93

Special Skills:

Customer interaction; concept development, design reviews, acceptance testing. CE Technical File generation. Federal R&D Tax Credit. Speak at industry panels. Machine shop and fabrication experience.

Additional Experience:

Lead Mentor, Kamiak High School Robotics (FIRST Robotics)
Technical papers presented at SAE Aerotech conferences
Hobbies include yacht refitting and customization. Pacific coast sailor with over 5,000 miles logged. Watch and clock repair.