

TAB B

JARED A. JUDSON

44 Capen Street
Medford, Massachusetts 02155

781.439.5893
jared@judsonengineering.com

EDUCATION

- 1996-1998 MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA**
Leaders for Manufacturing (LFM) Program Fellow
 Sloan School of Management, MBA, June 1998
 School of Engineering, SM in Mechanical Engineering, June 1998
 Concentrations: General Management, Product Design and Development.
- 1984-1988 STATE UNIVERSITY OF NEW YORK AT BUFFALO Buffalo, NY**
 SUNY at Buffalo Presidential Scholarship Recipient, University Honors Scholar.
 BS in Mechanical Engineering, *summa cum laude*, May 1988.

EXPERIENCE

- 2009-2015 JUDSON ENGINEERING LCC Medford, MA**
Principal
 Independent Mechanical Engineering Consultant providing product development services to multiple clients in the medical device, consumer, and automotive industries. Services range from ideation and invention through mechanical design, development and analysis to CAD modeling and detailing, as dictated by client and project needs.
- Support major pharmaceutical device development program as System Integrator, working across client partners in the USA and Europe providing engineering review, development, analysis. Manage integration across 3 major systems developed by 3 distinct organizations.
 - Partner with diagnostic device company to develop complex electro-mechanical assembly and minimum-size handheld and fixed-base enclosures for new-to-market technology. Develop thermal management solutions. Conduct mechanical engineering, detailed CAD, and tolerance analyses.
 - Work with medical device start-up to bring low-cost technology from university lab to realizable product. Invent, adapt, source materials and components, build a series of functioning prototypes, subcontract with partner to create electromechanical assemblies, file IP disclosing improvements. Create full drawing package and manage prototype build. Conduct lab testing and support grant-related research at Mass General Hospital. Initial product filing received 510(k) clearance from FDA in early 2013.
 - Provide analysis and concept generation to consumer-product development company.
 - Design, support build and successful test of mass-produced injection device embodying new technology for pharmaceutical company.
 - Partner with automotive interior systems supplier to develop new seating technologies. Continue to collaborate with Boston-area network of creative and engineering services professionals.
- 2001-2009 IDEO Cambridge, MA**
 2006-2009 *Design Director*
 Guide, inform, and inspire firm's technically-oriented work in multiple locations.
- Mentor technical staff in engineering skills, methods, and thinking.
 - Develop business and design projects in collaboration with clients.
 - Conduct design reviews across range of projects for wide variety of clients.
 - Requested advisor for multiple clients.
 - Work ranges from spinal surgery equipment to automotive seating to kitchen tools.
- 2004-2006 *Health Practice Lead*
 Developed, managed, and oversaw office's health and life-sciences work; at \$3-4million annually, a significant portion of the ~40 person office's business.
- Coordinated business development, project work, knowledge development, and marketing with fellow Practice Leads across firm.
 - Spearheaded business visualization and planning tools for firm-wide Health Practice.

- Continued oversight of device development programs.

2001-2004 *Senior Engineer and Program Lead*

Led product strategy and product development projects across a range of clients and categories, with an increasing focus on medical products.

- Collaborated with key client to inform and shape their injection device strategy and portfolio.
- Led many device development projects to populate key clients' portfolio. Inventions resulted in numerous patent applications and two full-scale development programs: Eli Lilly's KwikPen disposable insulin pen and Eli Lilly's Forteo injection device for osteoporosis.
- Managed multiple projects simultaneously with an annual budget exceeding \$1.3million.
- Simultaneously supported location management, creating business-planning tools to visualize and manage office workload and new business pipelines.

2000-2001 **MARAKON ASSOCIATES**

New York, NY

Senior Consultant

As project leader for management/strategy consulting firm, both led and contributed insight and analysis to client engagements in financial services, telecom, and aerospace.

1999-2000 **IDEO**

Lexington, MA

Project Manager, Engineering and Strategic Innovation

Led and contributed to numerous projects; recognized for innovative ideas and business analysis.

- Evolved major PC-maker's product platform strategy.
- Re-invigorated multinational building equipment line with insights and patented concepts.
- Developed project management tools; adopted office-wide.

1998 **STEELCASE, INC.**

Grand Rapids, MI

Management Development Program, Product Development & Launch

Led technical and marketing team developing technology implementation strategy across nine product lines. Built customer ownership cost model, central to marketing story.

FORD MOTOR COMPANY

Dearborn, MI

1997 *Six-month MIT LFM Program Internship, Advanced Manufacturing Technology Development Center*

Evaluated collaborative design process within existing organizational norms and vendor relationships.

MOOG INCORPORATED

East Aurora, NY

1995-1996 *Senior Design Engineer, Aircraft Controls Division*

Took leadership role across company in evolving product development process.

- Led four teams in creating and integrating company-wide concurrent design and manufacturing, improving development speed and cost of conventional programs.
- As member of management team responsible for corporate computer-aided technology vision and plan, championed cross-divisional solutions to reduce costs and increase sharing of best practices.
- Continued support of projects and proposals including commercial motion-platform business and technical research in power transfer technology.

1991-1995 *Design Engineer, Aircraft Controls Division*

Led and contributed to flight control design and development projects.

- Project Leader, "Thrust Vectoring Valve System." Led 3 to 10 member cross-functional team through design, analysis, procurement, production, and ground testing of \$1.5 million program for Lockheed-Martin. Served as primary customer contact; met all program goals. Invented and implemented successful concept for unique extreme-environment flight application.
- Conducted proprietary mechanical and electro-magnetic technology development.
- Recognized for clean and elegant design in contributions to numerous programs.

1988-1991 *Development Engineer, Aircraft Controls Division*

Designed primary flight controls as member of Boeing 747 Autopilot team; resulting hardware is currently flying.

- Led engineering group in use of emerging computer-aided design and analysis tools.