

Benjamin Gallant

BSME • Product Designer

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Education

Stanford University, BS, Mechanical Engineering, graduated June, 1998.

Work Experience

Principal, Kingfisher Product Design, 9/07 - present

Mechanical design consulting for a broad range of products. Activities include all those listed below at E-M Designs, with the addition of managing client relationships and developing estimates and proposals. Clients include

- Directed Perception: Precision pan-tilt devices. High tolerance machined parts and low backlash gearbox design.
- A&B Die Casting: Adapting machined parts to die casting.
- Socket Mobile: Handheld wireless and connectivity devices.

Design portfolio samples at www.kingfisherproductdesign.com.

Senior Mechanical Engineer, 5/05-8/07; Mechanical Design Engineer, 5/00-5/05.

E-M Designs, Half Moon Bay, CA. www.emdesigns.com.

- Product design consulting for a broad range of consumer and commercial products, including outdoor equipment, food and beverage products, laboratory equipment, sporting goods, and electronics enclosures of all kinds.
- Design for injection molding, low and high volume sheetmetal, die casting, extrusion, lightpipes, machined parts, DFM, DFA, etc.
- Responsibility for all phases of bringing a project from concept to manufacturing, including concept development, human factors, thermal analysis, basic structural analysis, and creation of complete engineering drawings per ANSI Y14.5.
- Experience managing 1-3 other engineers, working with tight budgets and tight schedules.
- Responsibility for small prototype shop, including FDM machine, manual mill, and lathe.

Engineer, 10/98-5/00, Schiller Associates, Oakland, CA. 10/98-5/00.

Energy efficiency consulting services to the electric utility industry for demand side management programs. Analysis of lighting and motors efficiency projects in commercial and industrial facilities, including field inspections and energy audits. Due diligence review of measurement and verification techniques for a variety of energy efficiency projects.

Design/Manufacturing Engineering Intern, 6/98-10/98, Light and Motion Industries, Monterey, CA. www.lmindustries.com. Design, manufacture, and testing of machined and injection molded parts and assemblies for underwater video and bike light products. Experience with CNC milling, solid modeling, mold making, user interface design, and prototyping. Other tasks included finding vendors, specifying components, researching materials, and designing product labels and stickers.

Skills

- Design Software: expert SolidWorks user, Pro/E proficiency, Adobe Illustrator.
- Comfort with hand-sketching both for brainstorming and for presentation of initial concepts to clients.
- Experience using Excel based engineering analysis, including thermal modeling, structural analysis, and wind loading.
- Industrial Design Sense: Ability to appreciate and incorporate aesthetic elements and to understand ID intent.

Interests and Activities

- Former board member of GRID Alternatives, a non-profit focusing on alternative energy in low-income areas and the developing world. www.gridalternatives.org.
- Founding member, former Secretary of the San Francisco Biofuels Cooperative, www.sfbiofuels.org.
- For fun... blues harmonica, camping, surfing, skiing, birdwatching.

References

Mike Elliott, President, E-M Designs, Inc.

650-346-3711

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Phil Kahn, President, Directed Perception, Inc.

650-342-9399 x101

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