
Daniel Stevens

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Objective Position leading product design where my wide range of skills will be an asset in developing innovative new products.

Experience Senior Engineer, Innovation & Advanced Design
Callaway Golf Company 2002-present Carlsbad, California

- Project leader on award winning FT-5 golf driver.
- Continue to lead new high technology golf club design projects.
- Manage creative process with industrial and CAD design.
- Spearhead discovery projects to add new technologies to golf clubs.
- Virtual prototyping of new club designs with dynamic simulation software.
- Customization of driver designs to satisfy needs of PGA Tour professional players.

Research Engineer
Vehicle Dynamics Laboratory 2000-2002 Berkeley, California

- Created nonlinear motorcycle model for simulating GPS & inertial navigation system designs using ADAMS multi-body dynamics software.
- Supervised the contributing work of three research students.

NASA Academy
Goddard Space Flight Center 1999 Greenbelt, Maryland

- NASA Academy graduate at the Goddard Space Flight Center for management and leadership training.
- Developed mechanical design of an actuator for the primary mirror of NASA's next generation successor to the Hubble Space Telescope (JWST).

Whitewater Rafting Trip Leader
Western River Expeditions 1995-1997 Moab, Utah

- Led 4-day whitewater rafting trips managing up to 6 guides and 20 passengers.
- Trips were primarily in Cataract Canyon on the Colorado River (up to Class V rapids).

Education M.S. Mechanical Engineering May 2002 University of California, Berkeley
B.S. Mechanical Engineering May 2000 University of Utah
Honor Societies: Tau Beta Pi (Engineering) & Pi Tau Sigma (Mechanical Engineering).

Skills User-Centered Design

- Training & experience in consumer observation and interviewing techniques.
- Brainstorming, concept generation, rapid prototyping, and concept development.

Mechanical Design & Mechatronics

- Proficient in mechanical design, 3D modeling, and dynamic simulation.
- Microprocessor interfacing, sensors, signal processing, and circuit design.
- Stress analysis, finite element modeling, and composite materials.
- Knowledge of investment & die casting, machining, forging, and injection molding.

Software

- Pro/ENGINEER, AliasStudio, SolidWorks, Rhino, UGS NX, ADAMS, and AutoCAD.
- Adobe Photoshop/Illustrator, Macromedia Flash/Dreamweaver, and Corel Painter.
- MATLAB, Simulink, C++, Visual Basic, and Microsoft Office.
