

Brian C. Ferguson

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EDUCATION

Dartmouth College (Hanover, NH)

- § Bachelors of Arts (B.A.) in Engineering June 2004
- § Bachelors of Engineering (B.E.) in Mechanical Design March 2005
- § Candidate for the Master of Engineering Management (M.E.M.) Anticipated: December 2005
- § 3.30/4.00 GPA
- § Dartmouth Language Study Abroad Program: Berlin, Germany (Winter 2002)
- § Relevant Course Work:
Computer Aided Mechanical Design, Engineering Materials, Material Processing and Selection, Mechanics of Materials, Operations Management, Project Management, Solid Mechanics, Statistical Analysis for Engineering Applications, Systems, Thermodynamics, Tribology.

Universität der Bundeswehr (Hamburg, Germany)

March 2003-August 2003

- § Completed coursework in conjunction with STILL GmbH Praktikum (Internship Program).
- § Examined and accredited by University Panel in Jet propulsion and fluid flow studies.

EXPERIENCE

Thayer School of Engineering (Hanover, NH)

September 2004-present

Teaching Assistant

- § Advise and provide critical feedback to students in Engineering 21: Product Design Class.
- § Recipient of academic citation for excellent work as a teaching assistant.

Dartmouth Formula Racing

- § Designed, manufactured and integrated front suspension and steering system for 2005 Dartmouth race car.

MacLean Vehicle Systems – Dynalink (Green Oaks, IL)

June 2005-September 2005

Engineering and Product Design Intern

- § Designed, tested, and analyzed stabilizer bar linkages for competitive analysis and prototype development.

Jetboil, Inc. (Guild, NH)

June 2004-September 2004

Engineering and Product Design Intern

- § Designed, tested, and assembled accessories for the Jetboil Stove.
- § Conducted fuel emissions testing to lower CO levels, necessary for CE certification.
- § Oversaw and achieved European CE certification. Translated and published documentation for sale in Europe.

STILL GmbH (Hamburg, Germany)

March 2003-August 2003

Forklift Engineering and Development Intern

- § Created and tested safety protocols for prototypes and current products.
- § Obtained an International Forklift Operator's License.

Dartmouth College (Hanover, NH)

September 2001-present

Undergraduate Advisor

- § Advise and mediate academic and social issues for 65 undergraduate students.
- § Recruit, interview and assist with selection of new staff.

CAMPUS LEADERSHIP

Dartmouth Symphony Orchestra

March 2001-present

Manager, Webmaster, Principal Cellist

- § Conduct all business affairs: hiring, accounting, and music library maintenance.

Dartmouth Class of 2004 Executive Committee

January 2004-present

Head Reunion Chair and Webmaster

- § Oversee all Dartmouth Class of 2004 reunions.

EXTRACURRICULARS

Dartmouth College Admissions Office Campus Tour Guide, Dartmouth Outing Club Outdoor Wilderness Leader, International Student Mentor, Big Brother/Big Sister, Office of Residential Life Upper Class Advising Focus Group

SKILLS

Fluent German, Conversational French, Microsoft Office, Pro-Engineer/Pro-Mechanica, Solid Works, FeatureCAM, ADAMS, MatLAB, MiniTab, JAVA script, Adobe Illustrator, Corel Office Suite, Linux

Certification: Completion of *Professional Engineering Licensure* Exam 1