

Jonathan Robert Wilson

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Education

University of Pennsylvania, Philadelphia, PA Graduating 2012
Master of Science in Engineering: Integrated Product Design

Union College, Schenectady, NY Graduated June 2009
Bachelor of Science in Mechanical Engineering, Deans List

Czech Technical University, Prague, CZ Fall 2007
Gained international experience studying and working with students from around the world.

Work Experience

Johnson & Johnson, New York, NY, *Intern* Summer 2010
Collaborated with industrial designers and engineers to develop concept models of future products on fused deposition modeling machines.

DEKA Research and Development, Manchester, NH, *Intern* Summer 2005, 07, 08
Research and development center operated and led by well-known inventor Dean Kamen. Designed and built test fixtures to analyze medical devices. Worked with a team of engineers to finish designing a product and begin version one testing.

Vail Resorts, Vail, CO, *Adaptive Ski Instructor* Winter 2005, 06, 07
Designed and performed stress testing analysis on a MonoSki with fixed damped outriggers for beginning to intermediate skiers with physical disabilities. This project pulled together my interests in engineering, skiing and helping others to create a new type of skiing device.

Princeton Day School Summer Programs, *Camp Counselor* Summer 2002, 03, 04
Worked as a camp counselor supervising children ages 5 to 12 in design oriented camps such as lego

College Experience

SAE Baja Club, *Treasurer and Lead Designer* Fall 2005 - Spring 2009
Managed \$14,000 annual budget for club. Designed, analyzed, and built a single seat amphibious off road race car capable of driving over extremely rugged terrain with a team of 10. We competed against over 100 other engineering schools from around the world. During my four years we consistently improved our ranking, finishing 15th overall my senior year.

Outing Club, *President* Fall 2006 - Spring 09
Organized and led trips into the Adirondacks with Union students. Certified Wilderness First Responder and New York, New Jersey, Colorado and National EMT-B.

Computer Skills

Microsoft Word, Excel, PowerPoint, SolidWorks, Autodesk Inventor, ANSYS, Matlab, Adobe Photoshop, Illustrator, InDesign, Dreamweaver (CSS, html, jQuery)

Personal Interests

Photography, design, skiing, hiking, mountaineering, camping, and fly-fishing.