

BRIAN S. HENDRICKSON

norcal@darmouth.edu

EDUCATION

2005- Dec 2006	THAYER SCHOOL OF ENGINEERING AT DARTMOUTH COLLEGE <i>Bachelor of Engineering, Mechanical Systems and Design</i>	Hanover, NH
	<ul style="list-style-type: none">• Engineer-In-Training certificate• Honors: <i>Tau Beta Pi</i> national honor society, <i>Cook Engineering Design Center Corporate Collaboration Prize</i>• Relevant coursework: Statics, dynamics, machine engineering, computer-aided mechanical engineering, design for manufacture, design of experiment and engineering statistics, lumped and distributed systems analysis, basic digital and analog electronics, control theory, design methodology, marketing, organizational behavior, entrepreneurialism	
2002- 2005	DARTMOUTH COLLEGE <i>Bachelor of Arts, Engineering Sciences, GPA: 3.69</i>	Hanover, NH
	<ul style="list-style-type: none">• Second Concentration: English literary theory and criticism, media and space theory• First-term paper nominated for best undergraduate writing of the year• Selected as <i>Class Marshall</i> for well-rounded contributions to school and community	

EXPERIENCE

2006	THE BIG GREEN BUS <i>Chief Engineer</i>	Hanover, NH
	<ul style="list-style-type: none">• Designed used vegetable oil-powered bus for high-profile national tour• Supervised 12 people in conversion of used bus into alternative fuel demonstration vehicle• Self-studied diesel mechanics and renewable energy systems• Drafted and edited group publications	
fall/winter 2006	MOTO TASSINARI <i>Consulting Engineer</i>	Lebanon, NH
	<ul style="list-style-type: none">• Developed in team of three an industry-first variable dirt bike intake• Delivered market and economic analysis in addition to complete first prototype• Awarded prize at Thayer School for best graduate project of the year	
summer 2005	KLA-TENCOR <i>Systems Engineering Intern</i>	Milpitas, CA
	<ul style="list-style-type: none">• Produced electromechanical sensory system for high-precision, clean environment robots• Conducted unsupervised meetings with vendors, their application engineers, and executives• Delivered design review presentations to group managers and division VP	
winter 2004	FINELITE, INC <i>Engineering Intern</i>	Union City, CA
	<ul style="list-style-type: none">• Developed patent-pending, UL-listed device from concept through first article• Managed design, material sourcing, prototyping, and manufacturing of rapid turnaround projects	
fall 2000- 2001	TARGESOME, INC <i>Research Associate</i>	Palo Alto, CA
	<ul style="list-style-type: none">• Constructed and characterized lipid nanoparticles intended for animal trials• Worked self-directed with minimal supervision using assorted laboratory equipment• Contributed to several studies that led to multiple patents and a journal publication	

SKILLS

Computer	Microsoft Word, Excel, PowerPoint, SolidWorks, Pro/Engineer (Wildfire), Pro/Mechanica, FeatureCam, Matlab, VHDL and experience with Fluent, Orcad, Virtual FourStroke, and Java
Fabrication	End mill, lathe, CNC, Dremel, thermoforming, vacuum casting, Finite Deposition Modeling (FDM), TIG welding, soldering

ACTIVITIES

UPPER VALLEY WILDERNESS RESPONSE TEAM	Hanover, NH
<ul style="list-style-type: none">• Medical Officer and Wilderness-EMT on hasty and technical rescue squads	
CYCLING AND THE OUTDOORS	Anywhere
<ul style="list-style-type: none">• Former elite junior racer, avid hiker, and occasional rock climber	

3/08/04

Comments regarding Brian Hendrickson:

Brian is the most outstanding undergraduate that I have worked with in my career. This praise is not given lightly. Here are reasons why:

1. We do not have a VP of Engineering to run the Engineering and Design department at Finelite. Accordingly, Brian has literally been thrown into the challenge of an entrepreneurial firm with nearly no supervision. His accomplishments showed an ability to be a self-starter and to be skilled at seeking out the resources needed.
2. Brian was able to handle a heavy workload and still deliver excellent quality work. Due to circumstances outside of Finelite's control, Brian was challenged with working a number of critical projects rather than the one major assignment that we envisioned originally. Here are the results:
 - a. Brian developed a new UL-compliant system to power light fixtures that is sufficiently unique that Finelite has filed a patent based on his work. Brian studied patent law and wrote the filing himself. It was of a quality that the patent attorney submitted it without change.
 - b. Brian co-developed a new, movable joining system that let Finelite win a major project to light a facility owned by a Fortune 50 company.
 - c. Brian "rolled up his sleeves" and helped build a state-of-the-art classroom lighting system that has been installed in New York City.
 - d. Brian participates in weekly engineering staff meetings and independently manages his projects, accepts advice from the other designers and offers his as well.
3. It is important to note that Brian accomplished these results in a way that won over the folks at Finelite. Brian demonstrated a unique ability to combine innovative skill with the people skills that make projects run smoothly. He earned the respect of the team here, and they hope that he will join the Finelite team again soon.
4. Finally, to put my view that Brian is an extraordinary young professional in perspective, it might be helpful to know something of my background. I have an engineering degree from Michigan and an MBA from Harvard. I worked with a number of leading electronics firms including Intel and Teradyne and helped start-up a high technology consulting practice at Arthur D. Little. I founded Finelite 12 years ago and helped it grow to over \$30 million dollars in yearly sales.

If anything is not clear, feel free to contact me directly:

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