

JASON S. BERNOTSKY

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OBJECTIVE

Seeking a challenging and rewarding summer internship or co-op position in engineering design.

EDUCATION

Rensselaer Polytechnic Institute
Bachelor of Science, Design, Innovation and Society & Mechanical Engineering (Dual) **GPA: 2.83**
Troy, New York
May 2015

SKILLS

Proficient in many design, CAD, and art programs, including but not limited to:

Autodesk Inventor/AutoCAD
Siemen's Nx
Solidworks

Adobe Suite (Photoshop / Illustrator)
Microsoft Office Suite
HTML/ web design

Basic Manufacturing knowledge (lathes, milling, welding) and prototyping experience
Project and team management experience
Some Arduino Prototyping experience

RELEVANT EXPERIENCE

Winner of RPI *Change the World* Competition: Spring 2012, for the design of a medical monitoring system which could prevent the sudden onset of cardiac problems by finding arrhythmias and potential for heart failures when they start affecting the user, even before physical signs manifest.

PDI Studios I, II, III, & IED Design Projects

A wrist-worn device for recording and analyzing the vitals of the wearer to detect cardiovascular problems.
Aesthetically pleasing, **energy efficient and multi-functional lamp** for bedside, desk, or wall.
Energy efficient stove for third world cooking, reducing emissions and health hazards for the targeted user.
Laptop case which transformed into a desk workstation designed around usability and aesthetics.
Flotation belt with an integrated electronic haptic feedback system to improve balance and posture in users.
Refrigerator modification which utilizes sensory systems to adjust user interaction and reduces energy usage.

Lockheed Martin
Student Shadowing

Archbald, Pennsylvania
August 2010

RELEVANT COURSEWORK

Engineering Dynamics	Strengths of Materials	Materials Science for Engineers
Intro. To Engineering Analysis	Science, Technology, and Society	Design, Culture, and Society

ADDITIONAL WORK EXPERIENCE

RPI CIPCE	Troy, NY
<i>Student Mentor</i>	August 2011 - Present
Keystone Quarry	Dunmore, PA
<i>Laborer</i>	Summer 2012
Spotless Cleaners	Dunmore, PA
<i>Clerk</i>	January 2009 – June 2011
The Home Depot	Dickson City, PA
<i>Cashier</i>	February 2011 – August 2011

LEADERSHIP & ACTIVITIES

Member of **ASME Hudson Mohawk Section**
Member of **RPI Entrepreneurship Exemplars Program**
Member of **RPI Embedded Hardware Club**