

# Laura Markee

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## Projects

### Neuvel Medical Innovation – Neurosurgery

#### *NUvention Medical, Northwestern University*

Multidisciplinary medical technologies start-up program encompassing the entire innovation and entrepreneurial lifecycle, including shadowing, ideation, prototypes, patents, and business plan. Represented NU at the Rice Business

### Simenta Midwife Training Simulator

#### *Innovate for Impact, Northwestern University*

In-the-field design research and user feedback of a low-cost, innovative solution for postpartum hemorrhaging to reduce maternal mortality in sub-Saharan Africa.

### Procter & Gamble FemCare: Feminine Pads

#### *Northwestern University*

Design research, synthesis, brainstorming, and prototyping on behalf of Procter & Gamble for innovative feminine care, with an emphasis on carrying and disposing of pads.

### Photogrammetric Analysis Methodology

#### *Gulfstream Aerospace Corp.*

Implementation of photogrammetric analysis for wing flex measurements, with applications in manufacturing and sustaining. Trained colleagues for use in their domains.

### Aerodynamic Design: G650 Winglet

#### *Gulfstream Aerospace Corp.*

Computational fluid dynamics analysis and aerodynamic design optimization of the G650 winglet. Recognized by peers and manager with a Gulfstream PRIDE Award.

### WorldView-1 Satellite

#### *Ball Aerospace & Technologies Corp.*

Subsystem integration on Earth-observing satellite to produce images for NASA, DoD, and Google Maps.

## Objective

To integrate my passions and abilities in design and engineering through a full-time position in product development.

## Education

### *Northwestern University* GPA: 3.75

Evanston, IL 2010-2011

MS: Engineering Design and Innovation

### *Purdue University* GPA: 3.20

West Lafayette, IN 2004-2008

BS: Aeronautical/Astronautical Engineering

Concentrations: Aerodynamics and Design

## Experience

### *Smart Design*

New York, NY Spring 2012

Engineering Intern, Product Development

### *Gulfstream Aerospace Corp.*

Savannah, GA 2008 – 2010

Aerodynamics Engineer

### *Ball Aerospace & Technologies Corp.*

Boulder, CO Summer 2007

Spacecraft Systems Engineering Intern

## Software Fluency

Adobe CS: Illustrator, InDesign, Photoshop

CAD: Rhino, SolidWorks, Pro/E

Grid Generation: Gridtool, Gridgen, Gambit

CFD/FEA: ANSYS, Fluent, FUN3D, USM3D

Post-processing: MATLAB, Tecplot

Programming: Processing, Arduino