

# VERONICA SPENCER

Mech. **Engineer** & Industrial **Designer**

Phone: (713) 553-8797

E-Mail: vspencer3@gatech.edu

Website: www.thesleepyengineer.com

## Education

B. S. in Mechanical Engineering Georgia Institute of Technology, May 2015

**Focus: Robotics & Automation**

**Scholarships: Zell Miller, Tech Promise, Horatio Alger**

**Graduating GPA: 3.46/4.0 - High Honors**

M. S. in Industrial Design Candidate Georgia Institute of Technology, May 2018

**Focus: Product Design - Toys & Games**

## Experience

Graduate Teaching Assistant Georgia Tech, August 2016 - Present

**Developed and tested six lab activities to develop student skill in prototyping**

**Supported course content and direction with prior toy & game experience**

**Advised student projects and project prototyping**

Prototyping Instructor Invention Studio, August 2013 - Present

**Instructed patrons on the proper and safe usage of available tools**

**Fabrication and design consultant for academic, research, personal projects**

**Daily fabrication experience with a wide variety of tools and materials**

Advanced Concepts Engineering Intern Radio Flyer, May 2016 - August 2016

**Identified cutting-edge technologies for incorporation in 2017/2018 products**

**Designed outdoor play products in line with company vision and aesthetics**

**Applied market familiarity to advise concept development within PD team**

**Facilitated prototype testing sessions to evaluate play patterns, ergonomics**

Research Assistant Sustainable Design and Mfg Lab, January 2015 - May 2016

**Research benefits and limitations of assorted solar panel technologies**

**Developed and analyzed concepts for sponsored product development**

**Identified product usage case through survey and analysis**

Product Engineering Intern John Deere, C&F, May 2014 - August 2014

**Tested hydraulic durability of construction equipment for data analysis**

**Utilized complex hydraulics schematics to troubleshoot key components**

**Managed preparation of test equipment through union-based shops**

Engineering Intern Oceaneering DTS, May 2013 - August 2013

**Assembled hydraulic ROV-interface panels and equipment**

**Learned design-for-assembly method of product development**

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## Skills

### Software:

**CAD: Solidworks, Inventor, Fusion 360, AutoCAD**

**Programming: Matlab, Java, Arduino**

**Graphics: Adobe Illustrator, Photoshop, InDesign**

### Prototyping

**Digital: Axure, Pixate, Unity, Vuforia**

**Works-Like: Waterjet, Laser Cutters, 3D Printing, Electronics**

**Looks-Like: Sewing, Woodworking, Foam/Mockup, Clay & Slip-Casting**

### Management

**Scheduling: Multiple locations, ~70 part-time student employees**

**Staffing: hiring, disciplinary actions, addressing internal conflicts, training**

## Leadership

### President

Invention Studio, May 2016 - Present

**Fostered an inclusive, engaging, and interdisciplinary space culture**

**Set goals and key performance indicators for internal development**

**Developed working relationships with campus makerspaces and their advisors**

**Served as the student advisor for Mech. Engineering development committee**

### Director of Operations

Invention Studio, April 2014 - April 2015

**Managed a staff of ~70 Undergraduate, Graduate, and PhD student volunteers**

**Introduced innovative policies for a peer-to-peer learning environment**

**Facilitated participation of disabled users and volunteers in shop environment**

**Ensured safe day-to-day operations of student-run makerspace**