

ELENA KUSIAK

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EDUCATION

Georgia Institute of Technology, Atlanta, GA | Aug. 2014 - Present

B.S double major:

Mechanical Engineering • Literature, Media and Communication (Media & Interaction Design)

Minor: Industrial Design

GPA: 3.12

EXPERIENCE

Design Engineering Intern at GE Appliances, Roper Corp., Lafayette, GA | Aug. 2016 - Dec. 2016

Assisted the Freestanding Electric Range division in the continuous improvement of models in production, as well as the launch of the latest product by:

- submitting & presenting change plans
- communicating with CAD drafters, quality technicians, suppliers and other engineers
- designing and conducting experiments, and performing data analysis using the statistical software Minitab
- overseeing trial runs and design confirmation builds

Intern at Ferguson Malone Architecture, Irvington, NY | May 2014 - June 2014

Modeled elevations using AutoCAD architectural software

RESEARCH/INVOLVEMENT

Undergraduate Research Assistant, Hu Laboratory for Biocomotion | Spring 2018

Studying an elephant's ability to manipulate its trunk to handle a large range of objects in order to develop/ prototype an elephant-trunk inspired soft robotic gripper

Vertically Integrated Projects Program: I-Natural | Spring 2016

Member of interdisciplinary research and design team working to develop an intuitive interface for natural Human-Robot interaction between a robot capable of creating painted artwork and a child

Georgia Tech Design Club, Member | Spring 2016 - Present

Georgia Tech Table Tennis Association, Member | Spring 2017 - Present

SKILLS/SOFTWARE

Digital

Adobe Creative Suite • CAD (Fusion, SolidWorks) • Matlab • HTML / CSS • InVision • Axure
Microsoft Office Suite

Physical

Sketching • 3D Printing • Laser Cutting • Soldering • Wood Working • Metal Lathe