

ELENA C. KUSIAK

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2014 – May 2019

Bachelor of Science double major

- Mechanical Engineering
- Literature, Media and Communication
 - Interaction Design
 - Media
- Industrial Design Minor

Irvington High School, Irvington, NY

September 2010 – June 2014

Graduated with 3.89 GPA

National Hispanic Scholar

Fall 2013

Awarded for achieving a qualifying GPA and score on the PSAT/NMSQT

EXPERIENCE

GE Appliances, Roper Corp., LaFayette, GA

August 2016 – December 2016

Engineering intern in the Freestanding Electric Range division, assisting in the continuous improvement of models currently in production, as well as the launch of the latest product.

Responsibilities included:

- Being actively involved in change processes by submitting design changes, presenting change plans, and following through with implementation by communicating with CAD drafters, quality technicians, suppliers and other engineers
- Overseeing trial runs and design confirmation builds for new design changes on the manufacturing lines and observing assembly processes to identify and eliminate problems
- Designing and conducting experiments, and performing data analysis using the statistical software Minitab
- Ensuring quality driven manufacturing processes by following lean manufacturing principles

Ferguson Malone Architecture, Irvington, NY

May 2014 – June 2014

Modeled elevations using AutoCAD architectural software

RESEARCH & INVOLVEMENT

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

Georgia Tech Web Development Club, Member

Spring 2016

SKILLS & SOFTWARE

- | | |
|---------------------------------|--------------------------------|
| •Autodesk Inventor & Fusion 360 | •Microsoft Office Suite |
| •SolidWorks | •MATLAB |
| •Sketching | •Prototyping |
| •3D Printing | •Laser Cutting |
| •Soldering | •Mill |
| •Lathe | •Adobe Illustrator & Photoshop |