Leonardo Galoso

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PROFESSIONAL EXPERIENCE

Undergraduate Research Assistant, Champaign, IL
Human Factors & Aging Laboratory, University of Illinois at Urbana-Champaign   **January 2019 - Present**
- Provide research support on various projects concerning human factors, ergonomics, and design
- Developed a website to help educate older adults on smart technology. Worked in an iterative process interacting and interviewing participants in target demographic, collecting demographic and psychographic data
- Analyzed qualitative data using statistical analysis in R. Compiled information in over 30 categories

Product Development Engineer Intern, Muscatine, IA
The HON Company   **August 2017 - August 2018**
- Facilitated in the expansion of the 10500 Series, creating eight new worksurfaces in PTC Creo
- Conceptualized designs for an entry-level height-adjustable table, working with New Product Development to develop new adjusting mechanisms
- Provided design feedback on seating products and conducted reliability analysis on credenza locking components
- Created spreadsheets to depict part complexity in file cabinet lines, showing reduction and consolidation in hundreds of parts projected to save over $200,000 in yearly production costs
- Coordinated with marketing department to create new 3D line art for flagship modular storage models and Concinnity product line
- Assembled and updated double sided locking mechanisms and drawers for over 40 metal and laminate front credenzas in Creo; updated pre-existing drawings and bills of materials

PROJECTS

First Year Design Project
"Improving Reliability and Appeal of Bandages"   **October 2018 - December 2018**
- Interviewed students and medical professionals on characteristics of wounds they encounter and their treatments
- Devised concepts ranging from printable and cuttable bandages to adhesives such as putties and glues
- Created and tested various prototypes with subjects: sleeves, putties, and adhesive strips
- Developed a translucent and blurred perforated silicone bandage

Data Visualization and Analysis
"Demographics of Average Salaries Across Colleges"   **January 2018 - May 2018**
- Created geographical information system (GIS) in Tableau to analyze starting and mid-career salaries among over a hundred colleges in the United States, analyzing relationships between socioeconomic factors and salary
- Utilized R to conduct t-tests and find strength of correlation in relationships

EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL   **August 2018 - May 2022**
Bachelor of Science (B.S.), **Mechanical Sciences and Engineering**
- GPA - 3.26/4.0
  Relevant Coursework: Calculus II Engineering, Computer Aided Design, University Physics: Mechanics, ENG-198: First Year Design Project

SKILLS

CAD
PTC Creo 3.0, 4.0, Windchill; Autodesk Inventor 2017

Programming Languages
Java, R, Python, HTML5, CSS

Analysis
Tableau, Microsoft Excel