Noah Sanz

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Education

Georgia Institute of Technology, Atlanta, GA
Candidate for Bachelor of Science in Mechanical Engineering
Expected Graduation: December 2023
Cumulative GPA: 3.74
Recipient of Faculty Honors and member of Dean's List

Leadership

Eagle Scout
Boy Scouts of America, Somers Troop 376

Vice President, House Manager, and Brotherhood Chair
Delta Tau Delta, Gamma Psi Chapter

Skills

Programming: Python, MATLAB, VBA, Google Script, C, C++, Arduino
Software: SolidWorks, Fusion 360, Excel, PowerPoint, Word, Tableau
Design: Product Design, Mechanical Design, Quality Test Design
Other: Project Management

Employment

Product Engineer Co-op, Levolor, Sandy Springs, GA   May 2022 – May 2023

- Developed adjustable, injection moldable handle adaptable to the wide variety of fabrics in the natural shade product line, to be produced at a volume of 66,000 units annually.
- Created SolidWorks assemblies incorporating all control systems, styles, and custom features across seven product lines, used to make automated installation guides on the BILT app.
- Designed repeatable and replicable tests to determine the energy efficiency of blinds and shades and to analyze the durability of blind slats.
- Established a testing and data analysis procedure for characterizing force versus displacement of cellular shades to determine the proper weights and motors needed.
- Automated testing procedures by programming a servo motor to simulate human operation of a bead-chain loop.
- Developed and refined concepts for a low-cost, easy-to-install part for an upcoming product line that enables the user to resize the product as needed.
- Created a precise mathematical model of the stress distribution within a part to establish parameters for its use in certain products and to eliminate product failures.

Interiors and Special Projects Co-op, McKenney's, Inc., Atlanta, GA   Jan. 2021 – Dec. 2021

- Created a repeatable, automated process to update thousands of lines of pricing and labor data used for all the Interior and Special Projects department's estimates.
- Developed & delivered pricing and scopes of work based on drawings, pricing data, and vendor quotes, resulting in the successful submission of over 200 bids worth up to $5,000,000.
- Coordinated projects by helping to manage general contractors, subcontractors, vendors, and foremen and to coordinate the purchase, transportation, and installation of HVAC units, pumps, heaters, plumbing fixtures, air distribution, and piping.
- Assembled and managed documentation on installation, operation, maintenance, test and balance, start-up, and as-built drawings into close out documents for general contractors and building owners.

Data Analyst and Reporting Specialist, Taxing Authority Consulting Services, Richmond, VA   Jun. 2020 – Aug. 2020

- Analyzed historical data from over 500,000 accounts using Tableau and MATLAB to create predictive models for future data that will allow for better allocation of resources.
- Designed and built internal reports and updated personalized, user-friendly monthly reports for clients to assess their finances.

References available upon request