Gary Kanyuh

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SUMMARY

Innovative and hands-on student, pursuing mechanical engineering at UIUC with a passion for problem-solving and technological advancement. Experienced in engineering projects, including automotive repair, 3D printing, and complex technical challenges. Actively developing a website to showcase engineering work. Strong technical and analytical skills with a commitment to continuous learning and impactful innovation.

EDUCATION

B.S. Mechanical Engineering | University of Illinois Urbana-Champaign |GPA: 3.18 | May 2028 |

PROJECT EXPERIENCE

Project Name: Newton's Cradle
Project Objective: Design and Build a float for a university parade that demonstrates the club's mission. I was charged with the task of developing a structural system that could hold recreation of the newton's cradle. I worked with a team of four people to make this happen and learn various skills in project management and design as a result.

Project Name: Interactive Website Portfolio
Project Objective: Create a website that can show off skills learned in the classroom and personal projects pursued outside the classroom. I took an intro computer science class and found it very interesting. This influenced my curiosity so I decided to further develop skills in computer science on my own and used a variety of programming languages: Java, HTML, and CSS. This website is live through gitHub and has a personalized domain and can be found at https://garykanyuh.com/ this website is being improved weekly.

Project Name: Finite Element Analysis
Project Objective: Conduct random vibration simulation on a rocket filter commonly found on large scale space vehicles. I had the opportunity to learn how to use Ansys Mechanical as well as other supporting software to conduct element analysis on different objects with the focus being on the filter. I learned further how to analyze data and use simulation to improve designs.

TECHNICAL SKILLS

Design and Simulation Tools: Fusion 360, SolidWorks, Ansys Mechanical, KiCad
Manufacturing and Fabrication: Soldering, 3D-Printing, mill operation
Programing and Productivity tools: Excel, Java, powerpoint

LEADERSHIP EXPERIENCE|CO-CURRICULAR INVOLVEMENT|COMMUNITY SERVICE

| **Plainfield Interfaith food pantry** | August 2023 - May 2024 | 3-7 hrs per week
| **Illinois Space Society** | August 2024 - present | 3 hrs per week
| **American Society of Mechanical Engineers** | August 2024 - present | 1 hrs per week

WORK EXPERIENCE

| **Panera Bread** | April 2023 - August 2024 | 20+ hrs per week
| **Tony's Fresh Market** | June 2022 - March 2023 | 20+ hrs per