

JACKSON JENKINS

Jej5302@psu.edu | C: 484-634-6763

[Jackson Jenkins](#) | [LinkedIn](#) | [Jackson Jenkins' Portfolio](#)

Phoenixville, PA 19460

Data enthusiast with strong skills in analysis, statistical modeling, and programming, aiming to utilize quantitative expertise in a data analysis role to solve real-world problems.

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| ➤ Proficient in Python, SQL, Tableau, and Excel | ➤ Practical leadership experience |
| ➤ Strong quantitative analysis skills | ➤ Interpersonal & EQ skills |
| ➤ Effective communication | ➤ Demonstrated work ethics |
| ➤ Strong technical skills | ➤ Flexibility and adaptability |
| ➤ Management skills | ➤ Critical thinking skills |

Pennsylvania State University | State College, PA

08/2020 – 12/2024

Bachelor of Science, Physics Major

Relevant Coursework: Numerical Analysis, Computer Science, Calculus, Differential Equations, Linear Algebra, Physics

PROJECTS

E-Commerce Sales Performance

- Analyzed e-commerce sales data to identify customer purchasing behavior and optimize the revenue and inventory strategies.
- Cleaned and processed large datasets using Python and Pandas, ensuring accuracy for analysis and visualization.
- Created dashboards in Tableau to visualize key trends, such as peak sales periods and seasonal demand, informing targeted campaigns.
- Identified top-performing categories and channels contributing to the majority of revenue and highlighted underperforming areas to inform inventory and marketing adjustments.

Sphera Integrated Circuits Analysis

- Investigated relationships between IC cost, power dissipation, node size, and packaging to guide sourcing decisions and identify cost drivers.
 - Conducted statistical analysis and visualized trends using Python, Pandas, and Seaborn, uncovering key correlations in IC manufacturing processes.
 - Discovered a strong positive correlation between lead count and cost, along with weak links between power dissipation and pricing.
 - Analyzed distributor price variability across suppliers, proving actionable insights for cost and availability optimization.
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WORK EXPERIENCE

Aftan Engineering, Mohnton, PA (Internship)

05/2023 – 08/2023

- Conducted comprehensive research on various Integrated Circuits (ICs) to assess power consumption and cost parameters, supporting the company's initiatives in sustainable engineering practices.
- Performed statistical analysis on large datasets using Python and SQL to identify trends and insights.
- Contributed to a circularity assessment project aimed at determining the feasibility of harvesting ICs from discarded electronic products.

American Pool, Bensalem, PA - Director of Aquatics at Germantown Cricket Club

05/2019 – 08/2023

- Directed and managed a team of over 10 lifeguards at a prestigious country club, ensuring effective supervision and safety of pool users.
- Acted as the primary point of contact for resolving member issues and liaising with other staff and management at the club.
- Maintained adaptability by learning and working with custom tools and workflows to meet operational needs.
- Members of the country club approached me at the end of the season, and offered complimentary personal letters and recommendations based on the performance of my duties.

Supervisor

05/2021 – 08/2022, 05/2024 – 08/2024

- Oversaw management of 9 different pools and over 20 lifeguards.
- Tested chemical balance, provided maintenance and cleaning, and adjusted chemical level correctly in all pools in my assigned region.
- Completed daily field reports for chemicals and lifeguards and submitted to upper management.
- Proactively triaged issues and concerns from staff and patrons resolving any conflicts on the spot or escalating as needed.
- Liaised between American Pool Company management and local property managers, ensuring communications of pool maintenance and that rules and standards were being met.

Lifeguard –

05/2019 – 08/2020

- Actively observed the activities of patrons to ensure their safety.
 - Maintained emergency certifications and trainings current and up to date, such as CPR and first aid.
 - Monitored and maintained chemical testing and treatments to the pools assigned.
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ACADEMIC INVOLVEMENT, Pennsylvania State University

Learning Assistant

08/2022 – 12/2022

Dr. Eric Hudson, Professor of Physics

- Attend daily physics classes, mentor, and assist underclassmen in the understanding, completion of their activities and labs.
- Hosted office hours weekly for students to come get one-on-one help providing individual assistance and mentoring aiding many in overcoming difficulties in material understanding.

Society of Physics Students (SPS), Pennsylvania State University

08/2021 – 12/2024

Student Member

- Network with other physics students, listen to guest lecturers.
- Socialize with other members and perform physics experiments.