



Capstone Project Presentation

Jacob Hendricks

May 22, 2024

About Me:

FERMILAB-POSTER-24-0066-STUDENT

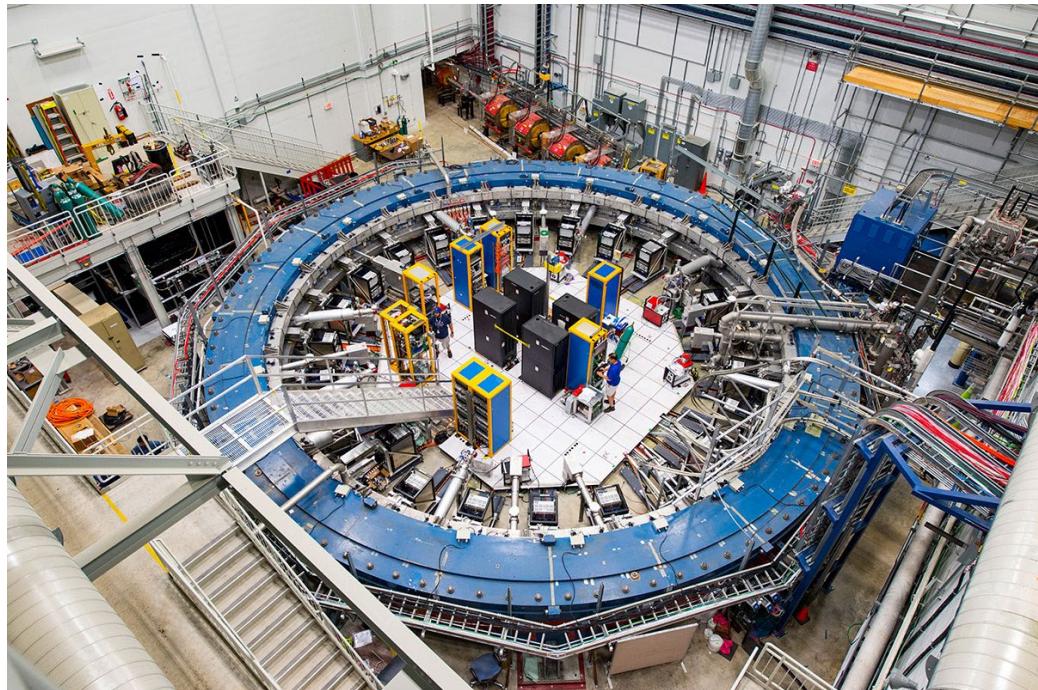
- Born and raised in Aurora; Only visited Fermilab once prior to internship
- Master's degree graduate, majoring in Business Administration at Aurora University
- Technical Skills: Tableau, Power BI, Excel
- Limited knowledge about physics and the lab as a whole
- Hobbies: Cooking, Fishing and Traveling



Expectations for Internship

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- Learn more about what exactly Fermilab does
- Expand upon my procurement background
- Contribute to the Finance Division as a whole
- Improve soft skills



Extra Curriculars

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- Campus Tour
- Interview with Supervisor – Chelsen Kincade-Jackson
- Speakers Carol Johnstone and Dr. Don Lincoln
- Lunch and learn speaker series
- Nature walks/observing Bison



Procurement Project Overview

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- Create a report card for suppliers to assess suppliers' performance
- Use existing SPA reports to grade suppliers that meet threshold
- Gathered historical supplier performance data and helped enhance the SPA website

Procurement Project Process

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- SPA- Supplier Performance Assessment
- Suppliers graded on a percentage scale
 - Business Relations
 - Cost
 - Schedule (Delivery)
 - ES&H (Safety)
 - Performance/Quality of Service/Supplies (Quality)
- Categorize suppliers

Subcontractor Evaluation

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Rating-42939N

?

Business Relations (Responsiveness):  80 % Not Applicable
 Enter a comment

Cost:  80 % Not Applicable
 Enter a comment

Schedule (Delivery):  80 % Not Applicable
 Enter a comment

ES&H (Safety):  80 % Not Applicable
 Enter a comment

Performance/Quality of Service/Supplies (Quality):  80 % Not Applicable
 Enter a comment

Overall Rating: **80.0 %**

Report Card Sample

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Supplier Type/Supplier	PO COUNT	AVG PO	Small/Large	NAICS	Local	Performance Grade	Latest SPA Rating
Construction PO Suppliers							
Whittaker Construction & Excavating INC	741	\$214,287.21	Small		Yes	Maintain	80%
ECS INC	540	\$17,399.90	Small		Yes	Maintain	88%
Barton Marlow Company	289	\$109,189.65	Large		Yes	Exit	48%
Leyden Electric INC	176	\$18,605.67	WOSB/SDB		Yes	Consider Grow	95%
Rachke Piping and Mechanical INC	118	\$41,784.50	Small		Yes	Exit	60%
Wallace Paving LLC	118	\$15,802.72	Small		Yes	Exit	56%
Prism Mechanical Corp	113	\$14,138.96	Small		Yes	Maintain	88%

Performance Grades

96% - 100%: Grow

90% - 95%: Consider Grow

80% - 89%: Maintain

70% - 79%: Pause

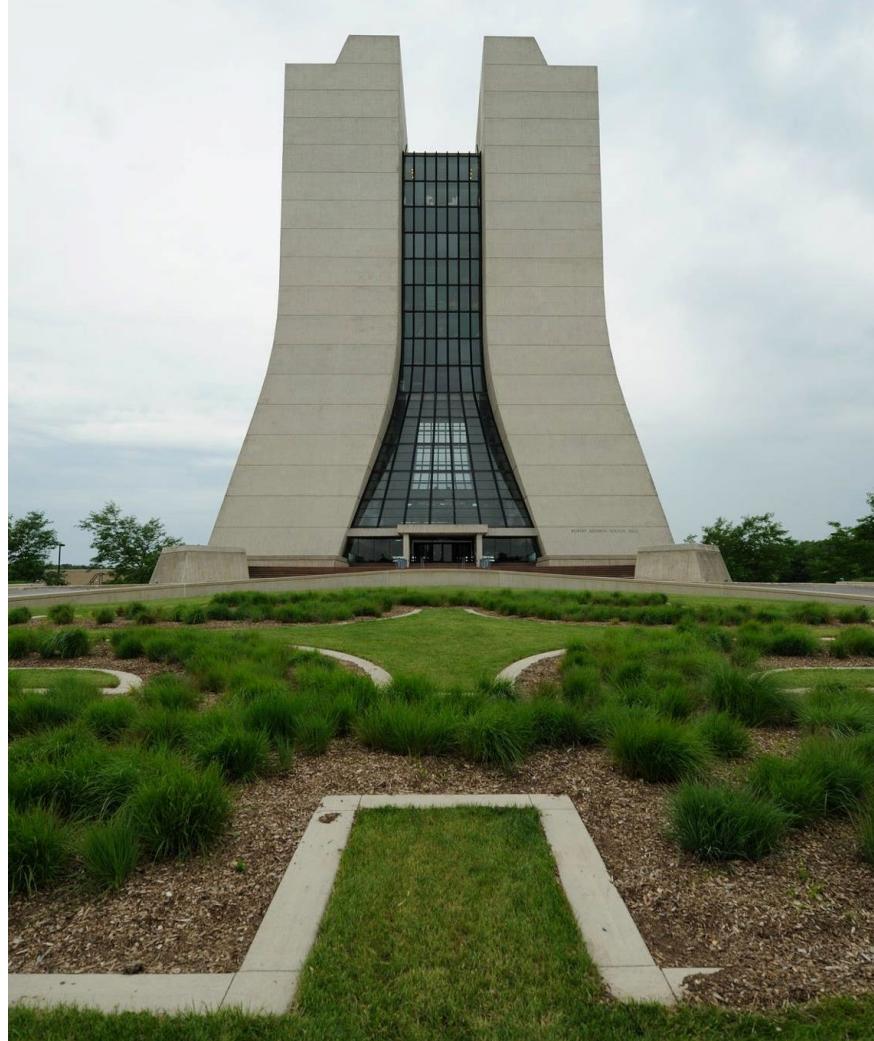
69% - Below: Exit

University

Current Issues

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- Each company required manual lookups
- Some suppliers met spending threshold; SPA not created
- Other suppliers close to spending threshold; SPA not required
- Suppliers cumulatively met threshold through several POs
 - Creating SPA report for these suppliers could be useful if they are frequently used



Lessons from Project

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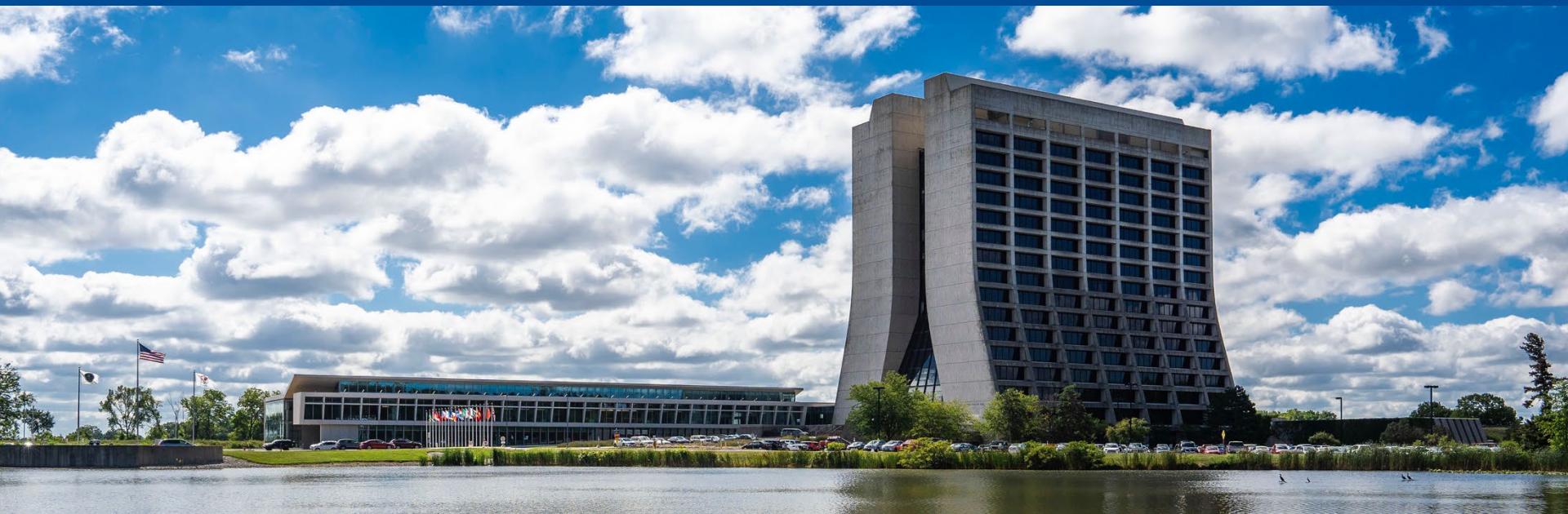
- Better understanding of the large amount of suppliers the Lab does business with
- Exceeded prior expectations of the spending on single PO
- Observe what makes a supplier strong/weak
- Knowing strengths of a supplier makes the decision-making process easier

Takeaways from Internship

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- Previous knowledge of procurement expanded and improved
- Public speaking practice outside classroom setting
- Built overall confidence





Thank you for listening

Jacob Hendricks