

Nina Parrish

Supply Chain Engineering Intern

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📍 San Luis Obispo, CA 93401

STRENGTHS

- 🔍 **Technical sourcing**
Compared supplier data against engineering requirements, then documented practical choices. Teammates relied on clear sourcing records during reviews.
- ♥️ **Analytical judgment**
Built cost, lead time, and risk comparisons for prototype parts. Trade study discussions became easier after facts were organized.
- ✔️ **Detail control**
Checked specifications, revisions, quantities, and received components. Small discrepancies were recorded before they affected laboratory work.
- 👥 **Cross functional teamwork**
Connected design, build, and procurement conversations during student projects. Weekly updates kept changing requirements visible across teams.
- 💬 **Technical communication**
Presented sourcing risks and research findings in reviews and posters. Clear explanations helped peers act on technical information.

SKILLS

Technical Sourcing

Supplier Research

Supplier Development

Technical Procurement

Bills of Materials

Engineering Drawings

Material Selection

Supplier Comparison

Cost Analysis Lead Time Analysis

Requirements Traceability

SUMMARY

Mechanical engineering student with 3.7 GPA and more than one year of university project, laboratory, and **research experience** connecting **engineering requirements** with sourcing decisions. Work includes **bills of materials**, component specifications, engineering drawings, material selection, supplier research, cost comparisons, lead time reviews, and requirements traceability for hardware focused systems. Cross functional project work has linked design revisions with procurement assumptions, supplier risk, manufacturability, and test readiness. Laboratory experience includes high temperature assemblies, purchase specification checks, technical documentation, and research presentations. Student leadership and mentoring have strengthened **technical communication**, initiative, adaptability, and teamwork. Brings careful analytical judgment to evolving requirements and hands on development settings, with a clear interest in contributing useful sourcing insight, supplier research, and disciplined documentation within an on site engineering environment.

EDUCATION

Bachelor's Degree in Mechanical Engineering

California Polytechnic State University, San Luis Obispo 🎓 GPA: 3.7 📅 2027 📍 San Luis Obispo, California

***Coursework:** Materials science, manufacturing processes, engineering design, supply chain engineering*

TECHNICAL SKILLS

- **Sourcing Analysis:** Technical sourcing, supplier research, supplier comparison
- **Procurement:** Technical procurement, purchase specifications, sourcing plans
- **Materials Engineering:** Material selection, material specifications, high temperature assemblies
- **Engineering Documentation:** Engineering drawings, bills of materials, decision logs
- **Cost Analysis:** Cost comparisons, cost summaries, make or buy analysis
- **Lead Time Planning:** Lead time analysis, long lead reviews, delivery information
- **Supplier Development:** Supplier development fundamentals, supplier risk, supplier evaluation
- **Requirements Management:** Requirements traceability, requirements matrices, specification review
- **Laboratory Operations:** Incoming checks, fit verification, test readiness
- **Software Tools:** Microsoft Excel, spreadsheets, shared records
- **Technical Communication:** Technical presentations, research posters, design reviews
- **Project Methods:** Trade studies, cross functional teamwork, structured problem solving

EXPERIENCE

Supply Chain Engineering Capstone Team Member

Capstone Project 📅 January 2026 - Present 📍 San Luis Obispo, California

Supports a university prototype through requirements translation, sourcing analysis, **supplier comparison**, documentation, and faculty reviewed procurement decisions. Coordinates with student engineers during design changes and communicates cost, lead time, technical risk, and test readiness considerations during project reviews.

- Translated subsystem requirements into a bill of **materials** and sourcing plan for a university prototype
- Built supplier matrices for technical compliance, cost, lead time, minimum orders, and manufacturing considerations
- Updated procurement assumptions after design revisions, keeping drawings aligned with test requirements
- Documented make or buy tradeoffs and supplier risks for faculty reviewed design decisions

Microsoft Excel

Technical Communication

Analytical Problem Solving

Cross Functional Teamwork

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Supply Chain Engineering Capstone Team Member at Capstone Project (8 Months)

● Undergraduate Engineering Researcher at University Research Lab (3 Months)

● Mechanical Systems Project Team Member at Student Lab (10 Months)

- Maintained specifications and decision logs, preserving traceability from engineering need through supplier selection
- Presented long lead recommendations during reviews, supporting an organized academic build schedule

Undergraduate Engineering Researcher

University Research Lab 📅 September 2025 - December 2025 📍 San Luis Obispo, California

Supported laboratory research involving high temperature mechanical assemblies, supplier research, material specifications, purchasing analysis, incoming checks, and experimental documentation. Connected technical requirements with practical purchase recommendations and communicated sourcing constraints through a research poster.

- Organized component requirements and material specifications for high temperature mechanical assemblies
- Compared specialty supplier data with **laboratory** requirements before purchase recommendations received review
- Created cost and lead time summaries for recurring test articles within grant constraints
- Verified received components against purchase specifications and documented discrepancies before laboratory use
- Maintained test, supplier, and procurement records, preserving traceability across experimental configurations
- Presented a research poster linking design requirements, material choices, procurement constraints, and test readiness

Mechanical Systems Project Team Member

Student Lab 📅 October 2024 - August 2025 📍 San Luis Obispo, California

Contributed to a supervised hardware project involving structural, fastening, and motion control components. Supported component research, alternate part evaluation, shared bill of materials maintenance, incoming checks, fit verification, and weekly communication across design, build, and sourcing activities.

- Researched structural, fastening, and motion control components for a student hardware project
- Converted design requests into research tasks using drawings, dimensions, materials, and operating conditions
- Evaluated alternate parts with long lead times and documented technical differences for review
- Organized a shared bill of **materials** with links, revisions, quantities, and delivery information
- Performed incoming checks and basic fit verification during supervised assembly activities
- Delivered weekly technical updates, connecting design, build, and sourcing decisions

PROJECTS

Prototype Sourcing Study 📅 2026

Created a structured sourcing study for more than 30 prototype items, comparing technical compliance, cost, lead time, minimum orders, and manufacturing considerations. Results supported supplier selection discussions and clearer procurement planning.

High Temperature Assembly Research 📅 2025

Organized supplier data, material specifications, purchase information, and test article planning for high temperature mechanical assemblies. Research connected laboratory requirements with practical sourcing recommendations and documented test readiness.

LEADERSHIP & AWARDS

- Dean's List recognition, 2025 and 2026, reflecting sustained academic performance.
- College of Engineering Undergraduate Project Scholarship, 2026, supporting hands on engineering development.
- Student Research Poster Recognition, 2025, honoring clear technical communication.

CERTIFICATIONS

- Supply Chain Management Specialization 📅 2026
- Engineering Project Management Foundations 📅 2025

PROFESSIONAL AFFILIATIONS

- Procurement Lead, Student Design Project Team, coordinating sourcing research and component decisions.
- Peer Mentor, College of Engineering, supporting student communication and academic progress.
- Member, Campus Engineering Project Council, contributing to university engineering activities.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST