

Daichi Joseph

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SUMMARY

Mechanical engineering student with hands on project experience in **medical device development, manufacturing processes, supply chain analysis, design for manufacturability**, protocol writing, and technical reporting. Uses CAD, Excel, structured data analysis, and supervised laboratory methods to evaluate process performance and document engineering evidence. Capstone, research, and coursework projects covered process data collection, supplier evaluation, manufacturing requirements, controlled testing, and knowledge transfer documentation. Maintains a 3.6 GPA while contributing campus leadership and community service. Presents technical findings clearly to faculty and peers, follows documented procedures, and supports careful execution of low to moderate complexity assignments. Graduation is planned for 2028, supporting student status through Summer 2027 and continued development in regulated product operations.

EDUCATION

Bachelor's Degree in Mechanical Engineering
The Ohio State University GPA: 3.6
Coursework: Mechanical design, manufacturing processes, supply chain engineering, data analysis

2028
Columbus, OH

TECHNICAL SKILLS

- **Design Tools:** CAD, mechanical design, component layout
- **Data Analysis:** Excel, structured analysis, trend review
- **Process Development:** Process protocols, controlled testing, process review
- **Technical Documentation:** Technical reports, traceability records, knowledge transfer
- **Manufacturing Engineering:** Manufacturing requirements, assembly planning, process observation
- **Supply Chain:** Supply chain data, supplier evaluation, data consolidation
- **Medical Devices:** Medical device development, regulated products, product requirements
- **Quality Methods:** Quality checks, documented procedures, evidence review
- **Project Delivery:** Technical projects, stakeholder coordination, project records
- **Communication Tools:** Faculty presentations, peer reviews, recommendation summaries

SKILLS

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|--------------------------------|------------------------------|-----------------------|------------------------------|
| • Process data analysis | • Supplier evaluation | • CAD | • Controlled testing |
| • Design for manufacturability | • Manufacturing requirements | • Excel | • Process efficiency |
| • Protocol writing | • Supply chain analysis | • Technical reporting | • Medical device development |
| • Technical reports | • Process development | • Data collection | |

EXPERIENCE

Development Engineering Project Student
Capstone Project
Managed a supervised capstone assignment involving process review, technical records, stakeholder coordination, and engineering recommendations. Applied documented methods to support traceability, practical decisions, and clear project communication.

- Analyzed process information in **Excel**, then flagged discrepancies for focused technical review.
- Maintained traceable project records that supported handoffs, follow up work, and consistent execution.
- Mapped **manufacturing requirements** into practical design considerations for improved assembly planning.
- Coordinated supplier and peer feedback, then documented decisions for project alignment.
- Presented concise findings and recommendations during faculty and team reviews.
- Applied quality checks before sharing **technical reports**, records, and operating guidance.

January 2026 - September 2026
Columbus, OH

Manufacturing Process Research Student
University Research Lab
Supported supervised laboratory research focused on manufacturing process observation, controlled testing, technical documentation, and evidence based analysis. Shared findings with faculty and peers while following established procedures and training expectations.

- Collected **process data** during supervised laboratory sessions using structured observation records.
- Compared test results in Excel, identifying trends that guided follow up experiments.
- Wrote concise protocol steps for repeatable **process development** activities and **controlled testing**.
- Documented laboratory methods and findings, preserving traceability for faculty review.

September 2025 - May 2026
Columbus, OH

- Used **CAD** observations to connect component features with **manufacturing requirements**.
- Presented research findings to peers, helping clarify methods, results, and next steps.

Supply Chain Engineering Project Student

January 2025 - May 2025

Course Project

Columbus, OH

Completed a supervised course project covering supply chain data, **supplier evaluation**, manufacturing requirements, and **technical reporting**.
Converted structured information into practical recommendations for process efficiency and project decisions.

- Consolidated **supply chain** data in Excel, producing clear summaries for project review.
- Evaluated supplier information against stated **manufacturing requirements** and documented selection rationale.
- Built a simple analysis tool that organized recurring data and reduced manual review.
- Prepared **technical reports** linking process observations with **design for manufacturability** considerations.
- Identified information gaps, then proposed practical next actions using available evidence.
- Presented recommendations to classmates and faculty, responding thoughtfully to technical questions.

PROJECTS

Medical Device Process Development Study 📅 2026

Worked with faculty and peers to examine process data, controlled testing, protocol writing, and technical reporting. Shared findings openly, accepted feedback, and refined documentation for clearer review.

Supplier Evaluation and Manufacturing Review 📅 2025

Collaborated with classmates on supplier information, manufacturing requirements, and design for manufacturability. Group discussions helped turn scattered data into practical engineering recommendations.

LEADERSHIP & AWARDS

- Dean's List recognition, 2025 and 2026, reflecting sustained academic performance with a 3.6 GPA.
- Undergraduate Research Poster Recognition, 2026, for clear presentation of supervised manufacturing process findings.
- Engineering Student Advisory Council Project Representative, 2026, connecting student feedback with campus engineering discussions.

CERTIFICATIONS

- Medical Device Development Foundations 📅 2026
- Data Analysis with Excel 📅 2025

PROFESSIONAL AFFILIATIONS

- Engineering Student Advisory Council, Project Representative, 2026.
- Engineers for Community Service, Volunteer Project Member, 2025 to 2026.

LANGUAGES

- English (Native) • Japanese (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST