

Colin Drago

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EDUCATION

Missouri University of Science and Technology

B.S. in Mechanical Engineering. GPA: 3.6

Rolla, MO

Expected May 2028

EXPERIENCE

Project Engineering Intern

May 2026 – August 2026

Dynamic Engineered Systems

- Executed drafting and design across 24 MEP projects, translating engineer markups, field conditions, and client needs into buildable AutoCAD permit drawings.
- Selected and sized mechanical equipment and produced cut sheets and equipment schedules for construction document sets.
- Designed a full HVAC system with load calculations in Carrier HAP for a 30,000 sq ft commercial office building.
- Audited drawings against code and permitting requirements to ensure compliant, buildable deliverables.

Treasurer

Nov 2025 – Present

Kappa Alpha Order

- Manage a ~\$650K annual operating budget across 24 officers and committee categories for an ~80-member chapter.
- Built a multi-sheet Excel tracking and forecasting system giving leadership real-time spend, variance, and projections.
- Reduced chapter debt by ~52% through improved tracking and an alumni-driven repayment strategy.
- Cut semester budget forecasting variance by ~75% with a standardized tracking process.

Co-Founder / Operations

2026 – Present

S&D's Detailing LLC

- Built the company website with a customer intake form that automatically feeds submissions into a structured Excel database.
- Automated the booking workflow so online scheduling syncs to a calendar and triggers instant email and calendar notifications.
- Engineered a repeatable operating process covering pricing, intake, scheduling, and tracking to run the business as a scalable system.

PROJECTS

1989 F-150 Custom Dash & Electrical System

Jan 2023 – Nov 2023

- Designed a custom aluminum dashboard in AutoCAD defining gauge and switch fitment, then fabricated the panel including cutting, drilling, and assembly.
- Created a labeled 12V wiring diagram with wire-gauge planning and consolidated circuits into a simplified fuse/relay architecture.
- Diagnosed mechanical and electrical failures through structured troubleshooting and documented the system for serviceability.

Daily Dashboard App (In Development)

2026 – Present

- Designing a cross-device productivity app that organizes work in tiers (project board, categories, ideas) with drag-to-task flow and an integrated calendar.
- Defined the full feature set and workflow from idea capture to task management to scheduling, and drove the build with AI-assisted development tools.

SKILLS

Hands-On: fabrication, electrical wiring & diagnostics, mechanical teardown/rebuild, troubleshooting

CAD & Design: AutoCAD, Siemens NX, mechanical documentation, design layout

Engineering Analysis: HVAC & electrical load calculations, system sizing, Carrier HAP (Hourly Analysis Program)

Documentation & Data: MEP construction drawings, Microsoft Excel (dashboards, budgeting, forecasting)