

JASON P. WOODS

CONSTRUCTION MANAGEMENT ♦ AI INTEGRATION & AUTOMATION ♦ PROJECT COORDINATION

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PROFESSIONAL SUMMARY

AI-proficient Construction Management graduate (Rowan University, College of Engineering) who pairs **hands-on command of modern AI tooling** — Python, LLM APIs, prompt engineering, retrieval-augmented generation (RAG), agents and MCP — with two years of commercial building envelope experience at **Tremco, an RPM International (NYSE: RPM) company**. Ran warranty and installation QA independently across a **50+ facility institutional portfolio**, including **Princeton University**. Focused on bringing LLM-driven automation into how construction projects are documented, coordinated and controlled.

TECHNICAL EXPERTISE

AI & Automation	LLM application development · prompt engineering · RAG (embeddings, vector search) · AI agents and tool use · MCP · LLMops (evaluation, guardrails, cost control)
Models & Frameworks	OpenAI and Anthropic APIs · Hugging Face open-weight models · LangChain
Programming	Python · REST APIs · JSON and structured outputs · error handling and retries · workflow automation
Construction	Building envelope and roofing · QA/QC · specification and warranty compliance · condition assessments · documentation · scheduling
Platforms	OLI roof asset management · SafetyCulture · Microsoft 365 (Excel, Word, Outlook, PowerPoint)

PROFESSIONAL EXPERIENCE

TREMCO ROOFING & BUILDING MAINTENANCE

Manahawkin, NJ

Roofing and building envelope solutions for institutional owners

Field Resources Representative

Mar 2024 – Jul 2025

- **Managed field quality assurance across 50+ institutional facilities** — universities, county colleges, hospitals and K-12 districts — running accounts independently across NJ, PA and MD.
- **Trusted with independent warranty and installation QA at Princeton University**, the region's highest-value account, Mercer County CC and Ocean County College, verifying contractor work against manufacturer specifications and warranty terms.
- **Diagnosed and repaired envelope failures** — moisture intrusion, membrane, flashing, drain and parapet defects — on BURmastic, POWERply, single-ply and AlphaGuard MT systems.
- **Produced owner-ready condition and repair reports with photo evidence** in OLI, the owner-facing roof asset management system used for maintenance and capital planning, and in SafetyCulture.
- **Coordinated scope, sequencing and schedule** among facilities directors, contractors and internal teams across concurrent active sites, carrying corrective work to completion with minimal supervision, often mobilizing on short notice.

Construction Management Intern

May 2023 – Aug 2023

- Supported field inspections, site documentation and progress tracking on active commercial roofing projects.
- Trained on Tremco roofing systems, inspection protocols and digital field reporting; completed OSHA 10-Hour Construction.
- **Earned a full-time return offer** — rejoined Tremco in March 2024, two months before graduation.

MEROLA TILE

Manalapan, NJ

Tile and stone distributor

Warehouse Associate, Freight Department

2022 – 2024 · 2025 – 2026

- Coordinated inbound and outbound freight and verified every order before dispatch, keeping order flow accurate and on time; built working knowledge of material handling, lead times and delivery scheduling.
- **Rehired in 2025** on the strength of prior performance and reliability.

EDUCATION & CERTIFICATIONS

Rowan University, Henry M. Rowan College of Engineering — Glassboro, NJ

May 2024

Bachelor of Arts, Construction Management

- **Trained to plan, execute, monitor and control construction projects** in a program developed with North America's Building Trades Unions (NABTU).
- **Coursework:** Estimating & Finance · Planning & Scheduling · Project Administration · Building Systems & Codes · Energy Systems · Safety & Loss Prevention · Leadership & Communication

OSHA 10-Hour Construction Safety — Tremco Roofing & Building Maintenance

2023