

Gian Franco Jadan

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EDUCATION

Binghamton University, SUNY, Thomas J. Watson College of Engineering and Applied Science

Bachelor of Science in Industrial and Systems Engineering | GPA: 3.1 / 4.0

Spring 2024

PROFESSIONAL EXPERIENCE

TAPPS Supermarkets

New York, NY

IT Systems & Infrastructure Manager

Aug. 2024 - Current

- Leveraged Windows database/POS and Ubiquiti networking to segregate data via dual-network enterprise infrastructure
- Led efforts in data security, network infrastructure optimization, root-cause failure analysis for POS systems, inventory optimization, and forecasting procurement requirements
- Integrated technical cost controls with SAP and delivered cost analysis with budget optimization methods to leadership
- Established dynamic workflows for processing systems, cross-team requirement alignment, firmware configuration, and security protocol development

Binghamton University Information Technology Services

Binghamton, NY

Residential Computer Consultant

Aug. 2021 - May 2024

- Troubleshoot computing device and network issues and managed system documentation for a 200-student campus residence
- Coordinated across IT teams to streamline problem resolution and support network uptime continuity
- Created support process documentation and analyzed recurring issues to improve standard operating procedures

Society of Automotive Engineers: BAJA Project

Binghamton, NY

Drivetrain Lead

Jul. 2021 - Aug. 2022

- Oversaw drivetrain design and production by managing tasking and project progress across a five-person team
- Optimized part sourcing through cost-benefit analysis diagrams using the project Bill of Materials
- Documented manufacturing delays and implemented workflow adjustments to support on-time project deliverables

PROJECTS

Self-Hosted NAS, Virtualization & AI Agentic Infrastructure

New York, NY

Personal Project

Feb. 2026 - Current

- Deployed self-hosted NAS and Docker environments with redundant storage, automated backups, and segmented remote access
- Built GPU-accelerated local LLM inference stack, benchmarked for latency and throughput to cut inference costs
- Automated recurring research and reporting with AI agents, reclaiming an estimated 100+ hours monthly

Binghamton University Electrospinning and Microtube Embedded Hydrogel

Binghamton, NY

Capstone Research Project

Aug. 2023 - May 2024

- Collected data on fabrication parameters such as distance, voltage, and diameter in the electrospinning process
- Developed a predictive model in Minitab and Python to optimize hydrogel integration using the collected data
- Reported statistical analysis optimizing fabrication parameters for embedding microtubes in medical applications

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SKILLS

Systems Engineering: Requirements Derivation, Hardware/Software Integration, Systems Architecture, Root Cause Analysis, Verification & Validation, Risk Mitigation, Agile Frameworks, Lean Principles, Configuration Management

Networking & Infrastructure: Dual-Network Enterprise Architecture, Cisco Hardware (Routers/Switches), Firewall Configuration, Windows Server Domain Administration, Data Compartmentalization & Segregation, Database Infrastructure

Software & Analytics: Python, MATLAB, SQL, Minitab, Arena Simulation, Microsoft Office Suite, Linux (Server)