

# Vince Spinelli

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## .SUMMARY

Electrical engineer versed and experienced in both technical and administrative / managerial roles. Practice in lean manufacturing, quality assurance, customer service, electromechanical design, product / project specification, electrical service repair and installation, and electromechanical assembly. Adept at root-cause-analysis, troubleshooting, project planning / implementation, system topology, and maintenance.

## .EDUCATION

- 1994...1999: St. Francis High School Athol Springs, NY 716.627.1200 - National Honor Society
- 2002...2007: SUNY Buffalo Buffalo, NY 716.645.3115
  - B.S.E.E.
  - I.E.E.E.
  - Capstone Design Projects:
    - Photovoltaic Event Trailer
    - Autonomous Power Monitor

## .CERTIFICATIONS

- BS Electrical Engineering --> State University of New York at Buffalo (U.B.).
- Six Sigma Green Belt --> Ford Motor Company

## .SKILL SET

A well rounded engineer with design and work experience in multidisciplinary environments. A natural problem-solver, promoting honesty and straight-forwardness in all aspects of a working environment.

### Technical:

- Understanding of and experience implementing National Electrical Code for residential, commercial, and industrial applications
- Electrical Service / Distribution installation and troubleshooting, including energized work up to 600 V
- Small signal amplification
- Electronic controls via discrete components (relay logic, etc.) and psuedo-components/Programmable Logic Controllers, various computer languages (PHP, Python, etc.)
- Electric Motor specification and installation.
- Power transmission and storage for various environments and constraints
- Photovoltaic energy harvesting, storage, & application
- P.I.D. controls via Ziegler-Nichols and on-the-fly.
- Design and assembly of 2nd / 3rd / & 4th order Linkwitz-Riley, Bessel, and Butterworth filter networks
- CAD [AutoCad >2k modest in the 2D realm]
- HMI software such as Allen Bradley Panelbuilder (strong) and FactoryTalk (modest)
- Motion and Logic controller software such as Allen Bradley RS5 / 500 / 5000

### Administrative:

- Leadership experience as a coach, manager, staff advisor / supervisor to UAW Natural Work Group, manager to USW Skilled Tradesmen, Electrical Training Instructor to Skilled Tradesmen, & Capstone Design project leader
- Implementation of and troubleshooting Lean Manufacturing
- Customer service, satisfaction, and sales

#### Nonelectrical Technical:

- Development of ISO9001 company procedures
- Development of product packaging and handling specifications
- Quality error detection, analysis, correction, & control (Six Sigma methodology)
- Project proposal / planning, failure analysis, engineering analysis and implementation plans.

## .EXTENDED SKILLS

#### Automotive experience:

- Engine, transmission, etc. assembly & repair
- Instrumentation design, assembly, & repair
- Design, assembly, and installation of >400 Ah power storage systems

#### Audiophile experience:

- Diagnosis and repair of class AB amplifiers
- Design and installation of competition grade SQ (Sound Quality) and SPL (Sound Pressure Level) mobile audio systems
- Implementation of filter networks
- Design and assembly of loudspeaker enclosures... sealed, vented, bandpass, and isobaric, pseudo-infinite baffle

#### IT / CS (including HMI / SCADA):

- Workstation / Server system design and assembly & Linux / Windows Networking, file and print sharing
- Versed in various RAID implementations and construction of RAID NAS standalone systems.
- Administration of Sendmail, Apache, SSL, SSH, Dovecot, Squirrelmail, NFS, and Samba (Linux)
- Administration of Mailenable, Apache, Bulletproof FTP, Filezilla FTP, Kpym SSH, Uebimiau (Windows)
- HTML / CSS / PHP coding
- Python / Perl / BASH programming.
- Expert user of office apps including, Open Office, and Microsoft Office
- Developer of SC SourceForge Project – YAMS (Yet Another Set of MEncoder Scripts), as a front end for easy to use, industry standard, encoding and transcoding of hard-copy video and digitally stored video to cross platform compatible AVI.
- Developer of mod\_OpenOPC – an open source OPC gateway and client application, based in Python, cross platform compatible, and capable of quickly and easily reading and writing data to and from OPC enabled devices (such as PLC's). This data can then be stored automatically into an SQL database for use.
- Developer of S.E.E.R. - System and Environment Effective Reports is a PHP based networked HMI (Human Machine Interface) system, unlike anything currently on the market. It is an open source implementation, allowing full customization. It is, if you will, the 'front end' for mod\_OpenOPC, that which displays all gathered data and allows user input for machine control. It implements aggregate data analysis, including trending / bar charts / gantt charts, all custom designed from scratch.

## .WORK EXPERIENCE

Sorrento, Lactalis American Group, Inc.  
Buffalo, NY

02 / 2008 ... Present

Title: Technical Specialist / EE

- Manufacturer of Sorrento, President, Precious, Galbani, Rondele, and Mozzarella Fresca premium Italian cheeses.
- Responsible for Power, Controls, Instrumentation, Automation Engineering, and Documentation.
- Oversee and pilot new equipment / process installation, integration, and setup.
- New system Programming / Existing system Troubleshooting and reprogram of Allen-Bradley Programmable Logic Controllers.
- On-the-spot problem solving and breakdown management for Controls / Automation / and Power Distribution
- Design / Propose / Implement / Install plant projects.
- System / Failure analysis and NEC Code compliance.
- Serve in a hands-on capacity, at all times.
- Developed mod\_OpenOPC and S.E.E.R.
- Instruct classes on basic electrical knowledge / troubleshooting / controls / etc. for Tradesmen.

Construction Personnel Group

11 / 2007 ... 01 / 2008

Title: Apprentice Electrician

(On Contract to Wire Electric Co.)  
Tonawanda, NY

- Servicer of residential and commercial electrical construction and repair.
- Troubleshoot and repair residential and commercial electrical services.
- Remove and Install residential and commercial electrical services.

Goodyear Dunlop Tires, North America                      07 / 2007 ... 10 / 2007                      Title: Maintenance Engineer  
Tonawanda, NY

- Manufacturer of Goodyear, Dunlop, Kelly Springfield, Remington, and Harley Davidson OE vehicle tires.
- Responsible for the planning, design, and execution of day-to-day and continuous improvement maintenance projects.
- Responsible for on-the-spot problem solving and breakdown management.
- Field device troubleshooting via Modicon Programmable Logic Controllers.
- Work closely with mech and elec design engineers to mitigate or solve larger issues.
- Serve as a central maintenance contact for production, whether to delegate or personally address all issues.
- Direct supervisor of ~20 Tradesmen.

Ford Motor Company, Buffalo Stamping Plant                      07 / 2004 ... 02 / 2005                      Title: [Paid Co-Op] Jr. Material  
Handling Engineer  
Woodlawn, NY

- develop departmental procedures, packaging specifications, etc.
- oversee heavy equipment (tow trucks, forks, etc.) availability, dispersal, and repair
- supervise and serve as staff advisor to UAW Natural Work Group
- developed electronic database for plant-wide access to production specifications by floor personnel (eliminate delays and liability of paper-specs)
- participate in Kaizen production efficiency programs as Material Handling's representative
- certified 6 Sigma Green Belt
  - proj. 1. ... \$7 k savings, item run-ahead
  - proj. 2. ... >\$10k savings, packaging redesign
- Material Handling's liaison to Quality Control
- admin of electronic heavy equipment tracking system
- coordinate and execute material and equipment migration, via lean mfg. standards, for the launch of a new vehicle (Edge)

The Office Supply Store, Inc.    1998 ... 1999 &                      Title: Shipping / Receiving Manager  
Hamburg, NY    2004 ... 2006

- log / store / inventory material transfer & process, pack, ship customer orders
- customer care and service
- trade show representative

Adesa Vehicle Importation Services    2001 ... 2002                      Title: Automotive Electronics Technician  
Holly, MI & Tonawanda, NY

- modify vehicle of original Canadian destination for registration in the United States
- modify and calibrate electronic instrument clusters for correct mileage and speed
- coordinate and monitor vehicle transportation from CAN to US with border patrol and customs

St. Francis HS: Athletic Dept.    2000 & 2002                      Title: Football Coach / Video Scout  
Athol Springs, NY

- Frosh. offensive / defensive linemen coach and Special Teams Coordinator (2000)
- Varsity mobile video scout (2002)

## **.REFERENCES**

<u>Name</u>	<u>Position</u>	<u>Title</u>	<u>Contact</u>
- Carrie Sweeney	employer	Owner (former): - The Office Supply Store, Inc. (now part of Office Depot)	<b>EMAIL FOR FULL RESUME</b>
- Dr. D.C. Hopkins	educator	Research Asst. Professor: - Dept. of Electrical Engineering SUNY Buffalo	<b>EMAIL FOR FULL RESUME</b>
- John Perkins	co-worker	Quality Engineering Manager: - Ford Motor Company Chicago Assembly Plant	<b>EMAIL FOR FULL RESUME</b>

## **.COMPENSATION & HISTORY**

<u>Employer</u>	<u>Salary</u>	<u>Term</u>	<u>Benefits</u>	<u>Structure</u>
Sorrento Lactalis	<b>EMAIL FOR FULL RESUME</b>		- medical / dental - 401k (4% input yields 7% company contrib., totaling 11%) - PTO + perks	- annual review
CPG / Wire Electric	<b>EMAIL FOR FULL RESUME</b>		- medical (once vested) - 401k (once vested) - NYS Apprenticeship (once vested)	- periodic review, efficiency based incentive
Goodyear Dunlop	<b>EMAIL FOR FULL RESUME</b>		- medical / dental - 401k - automotive discounts	- annual review
Ford Motor Co.	<b>EMAIL FOR FULL RESUME</b>		- none - [ student health plan applied ]	- annual review for pay grade / dept. placement