

Timothy Szymanski

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WORK EXPERIENCE

MAY 2015 – PRESENT

Joseph Electronics, Niles IL

Electronics Engineer, Fiber Transport Systems, Fiber/Copper Connections

Personally crafted over 20 million dollars worth of customized fiber equipment for clients including University of Texas, Fletcher, CNN Engineering, CIA, NEC, and Turner.

2014 – CURRENT

SpyderMan Mini Cranes, Hickory Hills IL

Maintenance Engineer, Information Technology

Primary rolls include maintenance of the electronics systems making up of electric/gas cranes along with website design and computer maintenance.

2001 – 2015

Peppo's Inc. Palos Hills, IL

Manager and Cook Helped grow a family-owned sub sandwich shop into a very profitable business that still continues to prosper today. Organized employee work schedules and provided training for new recruits. Finally worked with cash register and made nightly deposits.

COURSEWORK

1. Linux, Windows, VMware, Cisco Network Routing, Switching, Wireless, A+.
2. PLC, Control Systems, Hydraulics/Pneumatic, Mechanical Drive Systems, Variable Frequency Controls, Panduit Fiber-Copper cabling.
3. Physics, Astronomy, Meteorology

STUDIES

1. Autodesk CAD, Solidworks, ANSYS, Wildfire ProE, Altium Designer PCB design, FPGAs (Altera) Verilog, VHDL, National Instruments, Cinema Studio 4D, Photoshop, Gimp, Sony Vegas, After Effects.
2. Parallel computing, Phased Antenna Arrays, Arc/Mig Welding, Transmission lines, Soldering, RF and antenna systems, Milling and lathe tools, Laser CO2, Ruby, Diode, Acoustics and Audio.
3. ARM Architecture

EDUCATION

2010 – 2013 **Moraine Valley Community College**

A.S. IN ELECTRONICS, CONTROL SYSTEMS
Palos Hills, IL

RESEARCH-AWARDS

2016 **Morton Grove/Moraine Valley Community College STEM**

2nd/1st place for innovation of a 3D printed telescope.

2015 **COMMON User Group Smart TCAS System**

1st place winner for a Innovative award in the development of a Smart Traffic Collision and Avoidance System.

2015 **Morton Grove Community College STEM Acoustic Fire Suppression System**

1st place for a design in suppression methodology using sound.

2015 **Boy Scouts of America**

Rank Life and scouts master training.

PRESENT **FCC Amature Radio License**

Extra Class, KC9POS

LINKS

GITLAB [/gitlab.com/kc9pos](https://gitlab.com/kc9pos)

LINKEDIN [timothy-szymanski-72638029/](https://www.linkedin.com/in/timothy-szymanski-72638029/)

FACEBOOK [tim.szymanski.33](https://www.facebook.com/tim.szymanski.33)

SOFTWARE SKILLS

GOOD LEVEL Windows, Android

INTERMEDIATE Linux, DOS, MySQL, Postgres, VHDL, HDL

BASIC LEVEL HTML, CSS, Matlab, git, MS-DOS, Linux, LaTeX, MySQL, CUDA, LabView