

# CRAIG KOOP

1431 County Road 13 SW  
Pine Island, MN 55963

Home: 507.356.4419

cjkoop@pitel.net

## SUMMARY

- Electronics Diploma
- Building Utilities Mechanic Diploma
- EPA Certified Universal Refrigerant
- Machinery Maintenance, Equipment Operator
- Second Class A Engineer License
- Class B Commercial Drivers License

## PROFESSIONAL EXPERIENCE

### **Group Leader- Maintenance Mechanic 2009 - Present**

#### **Pace Dairy, Rochester, MN**

- Troubleshoot and repair equipment (conveyors, electrical motors, etc) as needed. Working on mechanical, pneumatic and electrical issues.
- Debug electronic controls to board level. Work with PLC logic
- Perform preventive maintenance on equipment.
- Repair building equipment, doors, product racks, light fixtures, urinals and plumbing.
- Work with HVAC systems and Building Automation equipment.
- Rebuild pumps and gear boxes
- Monitor and record system pressures in Ammonia Engine room and Boiler room
- Supervisor for third shift mechanics, oversee and give work orders and directions to mechanics

### **Maintenance Mechanic- 2008 - 2009**

#### **ROCHESTER MEATS, Rochester, MN**

- Repair equipment as needed. Worked on mechanical, electrical, pneumatic and hydraulics.
- Repair fork trucks and pallet movers
- Building repair jobs- framing walls, repair floors, toilets, drinking fountains, painting, etc.
- Work on evaporators, condensers, chillers and other refrigerant equipment

#### **IBM, Rochester, MN 1986 - 2006**

#### **Card Physical Design 1998 - 2006**

- Produce quality layout of Printed Circuit Boards using Cadence /Allegro.
- Worked with manufacturing for Design for Manufacturing (DFM) and Design for Test (DFT)
- Specialized in wiring very densely populated high end Printed Circuit Boards
- Work closely with Engineer Team for rules of design
- Ability to flex work hours and work additional hours with other designers to tag team designs.
- Effectively communicate with co-workers, engineers and external customers.
- Work independently and willing to work additional hours to meet due dates and get the job done.

#### **Card Test Technician 1986 - 1998**

- Supervisor for 8 years. Provided work direction to 10 other technicians and managed over sight of work flow l.
- Tested and repaired Digital and Analog electronic circuit boards to the component level.
- Diagnosed computer printed circuit boards using logic analyzers, oscilloscopes and voltmeters.
- Change electronic components on circuit boards using hand solder equipment and solder pots. Diagnosed computer printed circuit boards using logic analyzers, oscilloscopes and voltmeters.

## ACCOMPLISHMENTS

- On design of first Blue Gene Printed Circuit Boards at IBM
- Started the Pine Island Youth Football program
- Group Lead Mechanic at Pace Dairy, over see and give work direction to other mechanics

## EDUCATION

**Electronic Technician, Rochester Technical Institute, Rochester, MN**  
**Building Utilities Mechanic, Rochester Community & Technical College, Rochester, MN**  
**Hold Class B Drivers License, with Air Brake endorsement and DOT health card**  
**Second Class A Engineer Boilers License**