

Christopher Komatick

Lansdale, PA - Email me on Indeed: [indeed.com/r/Christopher-Komatick/b43c2009e15c2d35](https://www.indeed.com/r/Christopher-Komatick/b43c2009e15c2d35)

Highly motivated and accomplished electronics engineer with solid track record in data and digital communications, operating systems and applications. Has wide range of experience including electronic control of mechanical systems to wireless communication engineering. Thrives on conceptualizing and executing targeted opportunities. Excellent troubleshooter with a laser focus on thinking through complex situations, especially under tight deadlines. Successful and comfortable working in highly matrixed environments. Assists in the planning, designing, testing and launching of products; extensive experience editing and revising blueprints. Independent yet works well on collaborative teams. Work ethic second to none: completed 18 credit semesters while working 50-hour weeks to secure a BS degree. Also serves in the PA National Guard in Officer Candidate School while at the same time serves as an instructor at the Eastern Center for Arts and Technology and wireman.

Technical Skills Inventory

- DOD Secret Clearance: October 15, 2012 obtained
- AutoCAD Electrical and Mechanical
- Built and tested electronic circuits
- PLC Circuitry and Addressing
- Programmable Relay

WORK EXPERIENCE

Controls Engineer

Avanceon - Exton, PA - June 2014 to Present

Responsibilities

- Electrical Design Deliverables Development and Quality Control of PLC Based Systems
 - o Device and Motor List Creation
 - o I/O List Creation
 - o AutoCAD Electrical Schematics
 - o Instrumentation Selection, Configuration, and Specification
 - o Motor Control and VFD System - Application, Control and Design
 - o Panel Design and FAT
 - o Industrial Ethernet Design

o P&ID Creation and Development

- Coordination between Control and Electrical scope
- Excellent communication and coordination skills with Electrical Contractors
- Provides installation and commissioning support
- Project and Design Estimation / Sales Support
- Functional and User Specification Review and Scope verification

Skills Used

- AutoCAD Electrical and Mechanical
- PLC Circuitry and Addressing
- Point I/O

Project Engineer

Global Chem Feed Solutions - Warminster, PA - October 2013 to June 2014

Responsibilities

- Develops project objectives by reviewing project proposals and plans; conferring with management.
- Determines project specifications by studying product design, customer requirements, and performance standards; completing technical studies.
- Confirms product performance by designing and conducting tests.
- Controls project plan by reviewing design and specifications.
- Creates and develops electrical load list for contractors to supply the proper current rating.
- Creates electrical bill of materials and research devices and components that are suitable to the specifications and motor requirements.
- Input/output list development according to instrumentation used.
- Designs and develops electrical schematic in ladder logic form and according to customers piping and instrumentation drawing and specifications.
- Coordinates with the mechanical engineer the design of general arrangement drawing prepared for the customer's approval.
- Sets VFD parameters for Final Acceptance Testing.
- Selects the proper motor horsepower based on the job parameters.
- Responsible for panel design and layout.

- Conducts Final Acceptance Testing (FAT) with client's inspectors and writes the documentation for FAT.
- Installs and troubleshoots circuitry if components fails during testing.

Skills Used

- AutoCAD Electrical and Mechanical
- Built, tested and troubleshooted electrical/electronic circuits
- PLC Circuitry and Addressing
- Programmable Relay
- Created and edited programs for the Programmable Relay to operate

Instructor

Eastern Center for Arts and Technology - Willow Grove, PA - September 2012 to December 2013

Serves as an instructor for classes of 25+ people on problem solving of electrical formulas with a focus on direct current and alternating currents.

Test Engineer/Wireman

Global Chem-Feed Solutions - Warminster, PA - January 2012 to September 2013

- Responsible for analyzing and reviewing electrical schematic, correcting electrical schematics in AutoCAD and writing programs for programmable relays.
- Responsibilities also include teaming with engineers on project design and background development.
- Project management includes electrical production ranging from the local control panel to the wiring of components on the skid.
- Heavy focus on testing and troubleshooting the electrical continuity of the components and the unit functionality.

EDUCATION

Bachelors of Science in Electronic Engineering Technology

DeVry University

June 2009

SKILLS

Secret Clearance