

Steven J. Purcell

Education

- Bachelor of Arts in History from Southern New Hampshire University
- EPA Section 608 Universal Certification
- Technical certificates from Naval Nuclear Power School, Naval Electronics Technician School and Basic Electronics and Electricity School, Aviation Electronics LFTS Maintenance School.
- Technical certificates from Fanuc, Emerson Network Power/Liebert Services, Allen-Bradley PLC Programming and Maintenance, Omron PLC Programming, KBA, MAN Roland, Heidelberg Web Systems, Siemens, Kodak Imaging, Videojet, Allied Boiler Maintenance and CREO maintenance courses.
- Completed the Basic and Advanced HVAC-R classes at The Tennessee Technology Center.
- New York State Regents Diploma, Southold High School, Southold, New York.

Professional Experience

June 2017 to Present – Instructor at the Tennessee College of Applied Technology Murfreesboro/Smyrna Campus teaching the Industrial Electrical Maintenance/Mechatronics course, a twenty month course designed to take adult students from basic electronics/electrical through advanced PLC, robotics and mechatronics. Develop curriculum based on the Council on Occupational Education course guidelines. Maintain student records. Plan and implement advisory councils with various industrial manufacturers and develop and maintain relationships with manufacturers and industrial employers throughout the state and the country. TCAT employs over eighty percent of our graduates along with placement in other higher education programs.

August 2015 to June 2017 – Maintenance Technician, Constantia Flexibles. Responsible for maintaining, upgrading and engineering plant electrical, electronics, and automation to include PLC's, drives and all computer controlled equipment.

June 2010 – August 2015 Customer Engineer, Emerson Network Power/Liebert Services Responsible for the maintenance and repair of Liebert Uninterruptible Power Supplies at customer locations. Perform pre-installation visits, installation of equipment and training of personnel.

February 2010 – June 2010 Instrument Technician, Delight Products Responsible for all electrical and mechanical maintenance in the plant. Maintained all Allen-Bradley PLC's and HMI's. Repaired and maintained all Fanuc robot systems.

2006 – 2010 Field Service Technician, KBA North America

Responsible for servicing and maintenance on KBA newspaper and commercial presses. Extensive troubleshooting on AC/DC drives and ABB PLC's. Customer service involving troubleshooting on the phone and on location. Perform maintenance, retrofits, and upgrades.

2001 - 2006 Electrical Maintenance Supervisor, Quebecor World

Managed a 12 person electrical shop. Duties included scheduling of personnel, scheduling daily and preventive maintenance, determining layout, power requirements and production flow of new equipment for installations. Maintaining and troubleshooting all printing and binding equipment to the component level if possible. Developed PLC programs for additions and improvements to existing equipment. Initiated electronic and electro-mechanical preventive maintenance programs on all equipment and provided training to other personnel.

1997 - 2001 Field Service Engineer, Heidelberg Web Systems

Field engineer responsible for the electrical installation and repair of offset web printing presses. Performed PLC, AC/DC drive and computer software changes and additions. Provided onsite customer support and training.

1991 - 1997 Electronics Technician, Arcata Graphics

Responsible for the troubleshooting and repair of all printing and binding equipment. Performed project installations and preventive maintenance.

1985 - 1991 Electronics Technician, United States Navy

Attended Naval Nuclear Power School and Electronics Technician School. Worked in Naval nuclear power plants as reactor operator and technician.

Volunteer Experience

January 2019 to Present – A mentor with the tnAchieves initiative. As mentor I meet with prospective higher education students and guide them through the process of pursuing and applying for higher education. I am available for any questions they may have as they seek to receive a post-secondary education, whether it be in an academic institution or technical school.

September 2018 to Present – Member of the Town of Coopertown Planning Commission.

June 2017 to Present – Faculty advisor and Robotics and Automation Competition Coordinator in SkillsUSA. As a SkillsUSA advisor I guide and mentor technical education students in various technical competitions. As Robotics and Automation Coordinator I plan and implement the Robotics and Automation competition at the SkillsUSA state conferences.