Christopher Welch

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Education

University of South Carolina – Columbia   Columbia, SC
Bachelor of Science in Computer Science   Graduation: May 2028
GPA: 4.0

Relevant Experience

Dominion Energy/V.C. Summer Units 1/2/3
Senior Instructor, Nuclear Maintenance, Instrumentation & Control
October 2015 – June 2025

- Implemented all stages of ADDIE training model for I&C maintenance training program as an INPO certified instructor. Maintained, revised, and developed materials as necessary for both Initial Training and Continuing Training programs for 25 maintenance technicians and 5 maintenance supervisors.
- Received INPO accreditation three times in the ten-year period as the Lead I&C Instructor.
- Performed duties as an I&C Maintenance Supervisor during refueling overhauls.
- Coordinated with other Fleet nuclear units to provide the best training possible to our customers. Consistently recognized as a top instructor by INPO and NRC.

United States Navy: Senior Chief Petty Officer/Nuclear Power Training Unit MTS-635
Reactor Controls Division Leading Chief Petty Officer
November 2013 – October 2015

- Supervised all aspects of reactor operation, maintenance, and training for approximately fifty-five qualified Reactor Operators split into five operational crews and a maintenance team. These ranged from E5 to E7 with little or no experience on the older training platform.
- Supervised repair and retest of all Reactor Control systems during a Shipyard Pier Extended Maintenance Availability. Performed major repairs to an RTD based temperature system and power inversion cabinets.

Skills

- Microsoft Office
- Programming in Python, Java, HTML.
- Computer network administration.
- Serial communication protocols: Modbus via RS 485 and RS 232.
- Calibration of temperature, pressure, differential pressure, and radiation detectors.
- Soldering and micro-miniature repair of circuit boards.
- Troubleshooting and repair analog, discrete logic, digital and microprocessor-based systems utilizing diagrams (assembly, wiring, schematic, etc.) and test equipment (DMM, Oscilloscopes, Function Generators, Time Domain Reflectometers, etc.)