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| Paris cornwell  8221 Foxall Circle Knoxville, TN 37923 · 865-257-1127  cornwellpa@ornl.gov |
| To be a valuable, reliable resource to my organization through service, professional development, and accountability. |

# Experience

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| march 2015 – presentscientific associate, ornl-UT-battelle Maintained neutron instruments, engineering upgrades, designed widgets, user support for neutron diffraction and imaging experiments, laser metrology and quality control for clients, task lead qualified, data collection, authorship and contributor, cross-division support and collaboration, project management.   * 5S implementation at HB-2B, 2A, and CG-1D for lean workflow * Task lead for A-list Upgrade on HB-2B instrument * Significant Event Award (SEA) * A.F. Davis Silver Medal Award of the American Welding Society * Local contact for HB-2B * Lead JHA and pre-job briefs * Maintained and trained users on the FARO laser metrology instrument at the MDF * Poster presentations for AMS conference 2015 * Authored and published beamline paper in AIP Review of Scientific Instruments |
| june 2010 – march 2015tech intern HB-2b, orau Developed and maintained the NRSF HB-2B instrument at the HFIR, learned neutron diffraction principles while assisting instrument staff and users with experiment support and beamline maintenance, Author of TM for offline alignment.   * Designed and implemented improvements with sample mounting * Streamlined instrument workflow * Implemented lift stage to manipulate the bulk of samples mapped at HB-2B * Created engineering drawings for fabrication and instrument use * Speaker at the Rapid Conference 2013 on Laser metrology and Additive Manufacturing |

# Education

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| may 2014bs manufacturing engineering, tennessee technological university Six sigma, Lean Manufacturing, Operations Management, Maintenance Engineering, PLC and automation, Robotic Machine Learning, Plant design, Materials Science, Metallurgy, Rising Renaissance Engineer Award, Best Paper Award (Anerobic Co-Digestion) |
| may 2012as mechanical engineering, pellissippi state community college Core engineering math, mechanical systems, kinematics, strength of materials, CNC programming, MATLAB, C++, Calc-Based Physics, Engineering Physics, MET Honor Graduate award |

# Skills

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| * SolidWorks Associate Certification * Project Task Leading * Team focused; mission oriented * GD&T familiarization and training * 5S training and implementation | * Laser metrology (trackers and scanners) * Conflict resolution * Fostering positive work environments * Clear communicator * Creo training/familiarization |

# teaching experience

* Taught classes for the Engineering and Technology Department at Pellissippi State CC.
  + Engineering Physics Lab
    - Lead students through practical applications of physics with respect to gravity, acceleration, kinematics, pressure, temperature, volume displacement, and other fundamental engineering concepts.
  + Mechanical Engineering Technology
    - Teach students the fundamentals of power transfer and mechanisms used to transmit power including clutches, bearing, drive-belts, gears, couplings, chain-drives, hydraulics/pneumatics, and braking systems.

# Additional expereince

* Lead Marines as an NCO during overseas deployment, tactical member of an embassy response team.
* Aircraft mechanic for the Air National Guard