**Victoria Ivanovna Yanak Location: Spartanburg, SC**

**Summary: Remote work will prefer . (864) 913 5341** **(Vy2397@gmail.com)**

* 10+ years of experience in Electrical Desing Engineering.
* 10 + years of experience in electric utility and substation background.
* 10+ years of experience as AutoCAD 2009-2018 and MicroStation V8i user.
* Experienced in conceptual, preliminary and detailed physical electrical design of transmission and distribution substations.
* Proficient with MS Office (Excel, Access, PowerPoint). Education: BS
* Proficient in BlueBeam electrical design.
* Excellent communication and interpersonal skills.
* Experience in preparation of project design in any stage (preliminary, detailed) and Brownfield and Greenfield type.
* Experience in conceptual, preliminary and detailed physical electrical design of transmission and distribution substations in **medium & high voltage.**
* Ability to check up and evaluate grounding documents, voltage drop calculations and revise them up to desired standards or results.
* Ability to produce, revise general arrangement plans, section views, bill of materials, (station and vendors), conduit, cabling, fencing layouts.
* Experience in design of prefab and stick built control building layouts. Ability to create wiring diagrams, experience in wiring based of schematics. Participating in the evaluation of substation engineering bid proposals Knowledge in NEC, IEEE specially.
* Experienced (10 years +) AutoCAD 2009-2018 and MicroStation V8i user. Knowledge in Cascade software, (equipment database).
* Microsoft Word and Excel skills. Languages: Russian, Ukrainian, English.

**Technical Skills:**

AutoCAD 2011 - 2018 and Micro Station 8i, 8XM, MS Excel, Access, PowerPoint, Cascade, Transmission Explorer, PLC CAD, SCADA

**Education:**

* Getaway CC, North Haven, CT- AS (2 year) in Electrical Engineering. University of Bridgeport, Bridgeport, CT, BA and Science, May 2005.
* Norwalk Community College, Norwalk, CT, AS Degree in General Studies, May 2003.

**Certifications:** Micro Station Operator, (Axiom International).

**Professional Experience:**

**RCMT, NJ**

**Senior Substation Engineer June 2022- present**

* Prepared and developed the engineering deliverables for electric substation projects, Florida PL, Integra using

**AutoCad 2024, Microstation , BlueBeam** softwares.

* Providing design (layout) substation yards, Control Enclosures for **36kV**&**138kV** substations.
* Performing calks for battery size, conduit size for the **medium & high** voltahe substations.
* Designing grounding for different sizes of substations, transmission & distribution.
* Design above/underground bus systems.

**Consumers Energy, MI**

**Senior Designer II March 2021 — April 2022**

* P/E design of substations **34kv/345kv** based on scope of work given by planning department.
* Furnishing, design and layout Control houses, secure fences, installation of conduits, cable tranches and all electrical yard equipment upgrades.
* BOM completing and ordering materials. Providing maintenance of drawings using M**icroStation 8Vi.**

**National Grid, NY March 2020 — November 2020**

**Substation Engineer III**

* P/E preliminary design for substations **34kv/345kv** based on scope of work given by client.
* Furnishing, design and layout Transmission and Distribution substation yard, using MicroStation and **3D**

modeling.

* Providing One Line Diagrams using MicroStation.
* Providing Reports to customer and Planning department on at list 3 Options of design to choose from.
* Creating bus layouts, conduit layouts, designing Switchgear and Control Enclosure, above and underground conduits. Replacing switches, Circuit Breakers for **34/230 KV** yards.
* Replacing CBs, transformers by choosing approved by NG equipment. Designing phasing for transformers and equipment based on settled rules by NY for Distribution and Transmission Substations.
* Calculating **estimates** in **Cost book** for my substation designs.

**Orbital Engineering, MO September 2019 -February 2020 Senior Electrical design Engineer**

* P/E and P/C design of substations **34kv/345kV** based on scope of work given by client. Furnishing, design and layout Control Panels, BOM for panels, ordering them.
* Providing wiring and drawings using AutoCAD 2020.
* Providing Level one and level two checkups on other people projects, order materials, nameplates for substation equipment.
* Creating bus layouts, conduit layouts, assembling above and underground conduits. Replacing switches, Circuit Breakers for **34/230 kV** yards.
* Replacing cap switchers, CBs, transformers for NIPSCO, First Energy.

**Gannett Fleming, St. Louis, MO April 2018 -July 2019**

**Senior Electrical Engineer**

* Creating schematics based on single line and three lines diagrams and equipment cut sheets for Transmission Substations.
* Providing Level one and level two checkups on other people projects. Creating bus layouts, conduit layouts, assembling above and underground conduits. Replacing switches, Circuit Breakers, Lighting Arresters, Transformers for **34/230 KV yards**.
* Furnishing, design and layout Control Panels, BOM for panels, ordering them. Creating specifications for Control Panels, Cost estimating jobs for bids.
* Providing (point-to-point) wiring and drawings using AutoCAD 2018.
* Purchasing Materials based on created BOMs, ordering long lead items. Using AutoCAD 2018 for drafting my own designs.

**PPL, Allentown, PA July 2014 - April 2018**

**Physical Electrical Design Engineer**

* Providing the necessary technical expertise and oversight to the engineering contractor to ensure deliverables meet design expectations for distribution and transmission lines **(12KV-500KV).**
* Working closely with PM and CM to ensure engineering provides the safe and cost-effective constructible design which meets all deliverables.
* Act as LRE for the projects on PPL’s behalf. Accountable for addressing entire engineering scope.
* Guide the engineering process through PPL’s established workflows and checkpoints. Ensure the design appropriately utilizes PPL’s established specifications.
* Work with manufactories to determine products and materials needed for each project. Ensure that the

construction meets PPL’s engineering scope and criteria.

* Do preliminary field walk-downs for the purpose of assuring that the Design Contractor(s) is up to PPL standards.
* Do Review the deliverables for design and constructability obstacle/issues.
* Engineering installation including capacitor banks, transformers, circuit breakers, insulators, MOLBABs switches, disconnect switches, surge arrestors including all assemblies
* Prepare packages for bidding. Prepare drawing lists to be checked out for preliminary design. Prepare supporting industry standards company standards to be available for vendor to start design.
* Providing 30%, 60% and 100% submissions reviews, creating review reports. Creating BOMs, working on purchasing equipment and controlling delivery time.
* Creating transmittals (issuing jobs), using WAM for Assets Management, closing projects in WAM.
* Substation grounding design.
* Attending QA-QC meetings with Foreman and Construction Managers in order to pass all on check list.
* Working with Asset Suite, Fusion, EDS, BOM Database systems when do jobs opening, closing, or make it ready for construction charges.

**CG Power Solutions, LLC, Collegeville, PA May 2012 - June 2014 Substation Design Engineer (Protection and control, Physical design)**

* Prepared and developed the engineering deliverables for electric substation projects, (DUKE, PC&G )
* Providing design (layout) circuits with variety of SEL relays with Pulsar, SCADA installations for communications, furnishing STIP panels.
* Reviewed/selecting existing drawings from client in order to prepare list of native files necessary for design of the project.
* Prepare BOM. Providing wiring (design and drafting) based on given schematics. Grounding system design: fence, control/relay cabinets grounding,
* Creating grading charts based on existing surveys. Providing preliminary cost estimate based on new design.
* Design above/underground bus systems. Transmission Line Design, Pole Design, Foundation Design, using PLC CAD.

**GE-General Electric January 2012 – May 2012**

**Substation Design Engineer**

* Providing design and drafting of foundations for equipment, grounding for substation equipment. Designing of underground/ground conduits, cable trenches.
* Creating BOM, conduit schedules, MDL. Creating check lists (physical design).
* Prepare DGN files based on TIFs. (Warping).

**North East Utilities, Transmission Engineering, Substation Design March2008 - January 2012 Electrical Design Engineer**

* Creating/providing and drafting diagrams and designs for the installation of electrical systems equipment for subbstations till **550kV** voltage ratngs..
* Developing detailed technical wiring drawings.
* Creating material specifications, equipment drawings to provide for installation procedure. Improving, developing Design Standards Manual, do replacing of older substation electrical equipment with new and most progressive and functional.
* Working as a designer with contract companies on large design projects. Verify existing and drafted wiring on substations to update database...
* Calculation Voltage drop, conduit fillings.
* Creating or completing Bill of Materials for any design work done in house or by contractor. Created my own designs for OPGW (fiber optic) communications on 5 Substations in CT and MA.
* Leading on jobs as LRE, working with vendors and contractors, checking projects on 30%, 60% and 100% submission, making issuing transmittals.