

Sergii Pyrog

Houston, TX

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OBJECTIVE:

Electrical engineer with comprehensive experience in oil & gas, chemical and power industries various upgrade projects, have experience in student teaching and tutoring looking for a college instructor position where I can contribute my knowledge and skills in preparing students for success in future workplace.

EDUCATION AND SCHOOL RELATED PROJECTS:

Florida International University, Miami, FL

GPA 3.57/4.00

Master of Science in Electrical Engineering

Grad: Dec 2012

Zaporizhzhia National Technical University, Ukraine

GPA 4.00/4.00

Bachelor of Science in Electrical Engineering with minor in Comp Engineering

Grad: Jun 2008

WORK EXPERIENCE:

Jacobs Engineering, Houston, TX

Electrical Engineer Lead

Jan 2013 – Present

- Work as a lead electrical engineer on several oil & gas and chemical projects from Select to Execute stages. Prepared electrical MTO, BOM and man-hour estimates.
- Create and updated One Line Drawings, Area Classifications, Cable Tray Plans, Building Plans, Grounding, Motor Schematics and Wiring Diagrams, Electrical Details, Cable Schedule, Panel Schedule, Electrical Heat Tracing, Network and System Architectural, Fiber Optic, Demolition drawings.
- Responsibilities include design for power distribution systems, lighting, grounding, fire alarms, motor controls, DCS, SIS, PLC, SCADA, low voltage infrastructure, emergency power systems, UPS.
- Prepare Requisitions for switchyards, substations, major electrical equipment and bulk material, updated Load List.
- Perform field surveys to check, update and create as-built drawings for project needs.
- Supported construction during hot cutover for control upgrade projects.

Houston Community College, Houston, TX

Adjunct Instructor

Jan 2015 – Present

- Work at Drafting & Design Technology department.
- Teach Technical Drafting, Mechanical Drafting, Mechanical Design classes.

Florida Power And Light, Ormond Beach, FL

Electrical Engineer

May 2012 – Aug 2012

- Performed installation, maintenance, troubleshooting, and root cause analysis of protective relay control systems and current transformers within substations and generation facilities using Doble ProTest and Variac.
- Installed, maintained, and repaired remote terminal units and communication equipment.
- Verified and revised Z-Block wiring of protective relays panels.
- Was responsible for compliance documentation for equipment testing and maintenance.

EnergAutomatization, Ukraine

Hardware Electrical Engineer

Mar 2006 – May 2008

- Applications development and supervised the installment and proper function of electrical industrial smart meters
- High voltage power transformers cooling system optimization developed a Power Transformer MatLab model using Simulink, made calculations and engineering drawings in AutoCAD.
- Created database of company products and services for customer's quotes

SKILLS:

- AutoCAD, MicroStation, Inventor, SmartPlant, MathLab, Simulink, MathCAD
- Microsoft Word, Excel, Power Point, Access, Front Page
- Electronics: Oscilloscope, Multimeter, Phasescope, Doble ProTest