

S ENGINEERING INSTRUCTOR

Summary

Seeking an Internship/Co-op in the field of Electrical/Instrumentation & Control Engineering for Spring & Summer 2017

Highlights

- MATLAB, Simulink, Siemens PSS@E, Power World, ETAP, LabVIEW, Multisim, RT-LAB, C++, MS office.
- Certificate in Industrial Automation & Control from Apollo Knowledge Institute. July 2012 - Sept 2012
- Skills acquired in PLC programming (Allen Bradley & Siemens PLC), HMI, SCADA, Servo drives, VFD, Hydraulic & Pneumatic control system.

Experience

Engineering Instructor

Company Name Jun 2016 to Jul 2016

- Instruct and supervise high school students to build engineering projects.
- List of projects: <http://www.bluestampengineering.com/meet-the-students/palo-alto-16/>.

Graduate Teaching Assistant

City, State Company Name / Jun 2015 to Current

- Assist professor in teaching courses Control system, Electrical & Electronic circuits, Computer based industrial power system protection, & Introduction to C++ programming.

Instrumentation & Control Engineer

City Company Name / Oct 2012 to Dec 2014

- Execution experience with DCS (Honeywell Experion PKS (C300 controller)) & ESD systems.
- Supervised all Electrical & Instrumentation Installation & Commissioning activities including Control & motor loop check, Panel testing, Field Instrument & Control Valve testing of Shah Gas Development Project, Abu Dhabi, UAE.
- Prepared all engineering documents such as Instrument Index, Instrument & Control Valve Datasheets, Cause and Effect drawings, Hook up Drawing, MTO, Material Requisition, Vendor offer evaluation, Technical write up, preparation of control system philosophy, FAT procedure etc.
- IEEE, API, ISA, IEC, NEC standards.).

Intern

City, State Company Name / Dec 2011 to Dec 2011

- Interacted & worked with plant operator and chief engineer on SCADA, HMI, PLC, control panel wiring, flow, pressure, level transmitter & control valves.
- RESEARCH & PROJECT Research on "Dynamic Stability of Grid-Microgrid interconnection system using Fuzzy Logic Controller".
- To design a fuzzy logic controller to limit the switching transients and enable a smooth transition of Microgrid from Islanded mode to Grid-connected mode.
- Matlab/Simulink-Simpower system and Opal-RT for simulation) Project on "Close loop traffic control system using PLC (Programmable Logic controller)".
- To control the time period of traffic lights based on density of traffic using PLC (used LG PLC for simulation).

Education

Master of Science : Electrical Engineering University of Houston May 2017 City, State Electrical Engineering 3.85

Digital Control System, Linear Multivariable Control System, Smart Grid Technology (Convex Optimization, Unit commitment, Economic dispatch), Industrial Power System Protection, Power System Analysis.

Bachelor of Technology : Instrumentation & Control Engineering Nirma University May 2012 City, India Instrumentation & Control Engineering 3.5

Analog & Digital systems, Control System Design, Power Electronics, Instrumentation System.

Certifications

Certificate in SPI Intools from Smart Brains Engineering Pvt. Ltd. April 2014 - May 2014 *Skills acquired in SPI Intools, AutoCAD.

Professional Affiliations

IEEE April 2015 - Present

Skills

API, Apollo, AutoCAD, Automation, C++, C++ programming, com, Controller, Electronics, engineer, engineering projects, FAT, Drawing, http, ISA, LabVIEW, Logic, MATLAB, MS office, NEC, Optimization, philosophy, PLC programming, PLC, RESEARCH, SCADA, Siemens, Siemens PLC, simulation, System Design, System Analysis, teaching, wiring

Additional Information

- AWARDS, ACHIEVEMENTS & PUBLICATION *12th Annual Graduate Research Conference (GRC 2016, UH), 'Fuzzy controlled VSC of Battery storage system for seamless transition of Microgrid between grid-tied and islanded mode: 1-2' *Runners up in Robocon 2010, India (International level Robotics event organized by Asia - Pacific Broadcasting Union). *Graduate Tuition Fellowship, University of Houston 2015 - 2016.

