

# Jackie Zhi Rong Xu

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## Objectives

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A Dual-ticketed electrician and instrumentation technician with 26 years' experience, skilled and experienced in electrical and instrumentation construction, maintenance and troubleshooting. Looking for an opportunity to join an established business which will allow me to continue developing my skills and I can make a positive contribution to the success of the business.

## Highlights of Qualification

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- Over 26 years of strong experience at field construction, commissioning, start-up and maintenance for electrical, electro-mechanical, automation, instrument control and security systems and equipment.
- Remarkable ability in installing, troubleshooting, and maintenance motors, transformers, switchgears, UPS, lighting systems, generators, temporary power, fire and security alarm systems, medium and low voltage substation and other electrical devices.
- Comprehensive background with well-developed skills in installing, troubleshooting, repairing, calibrating flow, level, pressure, temperature instrumentation devices, pneumatic, hydraulic and motor-operated valve actuators using various types of test equipment.
- Extensive knowledge in various control systems installation, configuration and maintenance including DCS, PLC, VFD, Burner Management System (BMS) and Motor Control Center.
- Experience in installation, configuration, and maintenance industrial network communication systems, such as: RS232, 485, Modbus, HART, Device Net, Foundation Fieldbus, and Ethernet/IP.
- Solid knowledge on industrial software: SAP, RSLogix5000 for PLC, Delta V HMI for DCS, AMS Device Manager, and Microsoft office.
- Understanding electrical codes and industrial safety associated with electrical & instrumentation. Respectful for technical, safety and quality standards according to Environmental Health and Safety Work Practices.
- Ability to work well independently and as part of a team. Well-organized, detail-oriented, self-starter and fast learning new technologies.

## Work Experience

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**Jacobs Industrial Services** -- May 2017-Present

**E&I Maintenance Technician**, Suncor East Tank Farm maintenance, Fort McMurray, AB

- Performed scheduled preventive maintenance and breakdown maintenance for electrical and instrument equipment.

- Performed lock out/tag out on electrical equipment, repaired/replaced defective parts. Inspected and configured Allen Bradley PLCs, Siemens and ABB VFDs.
- Calibrated transmitters, tested and troubleshot pneumatic/hydraulic and motor-operated valves. Maintained Delta V DCS system, tuned PID controllers, troubleshot process disturbances and bad PV alarms.
- Inspected fire and gas detection systems, calibrated H2S, CO and LEL sensors.
- Tracked, updated on maintenance records and created notifications using SAP. Developed spare parts list.
- Performed E&I commissioning and start-up activities for Suncor ETFD (East Tank Farm Development) Project.

**Fluor Constructors Canada Ltd.** -- Sep. 2016- Apr. 2017

**Instrumentation Technician**, North West Redwater Sturgeon Refinery Project construction

- Installed instruments, such as pressure transmitters, flow meters, speed measurement indicators, thermocouples, RTDs, level detectors, PH meters, chromatogram gaseous analyzer, conductivity analyzer, CO detectors and smoke detectors.

**JV Driver Projects Inc.** – Apr. 2016-Sept. 2016

**Electrician**, Jacobs Hangingstone Expansion Project construction, Fort McMurray, AB

- . Responsible for MCC E-Hours cable terminating (24V DC control--5KV AC cables).

**Tracer Industries Canada Ltd.** -- Sep. 2015-Jan. 2016

**Electrician**, ConocoPhillips Surmont 2 Project maintenance, Fort McMurray, AB

- Responsible for Electrical Heat Trace alarm management, troubleshooting and repairing.
- Configured, modified and programmed Allen Bradley PLCs and E3 Relay Modules to control the Electrical Heat Trace systems.

**Laird Electric Inc.** – Jan. 2014-Aug. 2015

**E&I Maintenance Technician**, Shell Albion Sands maintenance, Fort McMurray, AB

- Set up temporary power for plant turnaround maintenance.
- Calibrated and troubleshot pressure, temperature, level and flow transmitters.
- E & I support for small projects. Installed electrical and instrument equipment on existing plant, performed commissioning and star-up.

**Jacobs Industrial Services** -- Sep. 2012- Dec. 2013

**E&I Technician**, Syncrude MLMR project construction, Fort McMurray, AB

**JV Driver Projects Inc.** -- Oct. 2011-Sep. 2012

**Electrician**, Suncor MNU Project construction, Fort McMurray, AB

**Jacobs Industrial Services** -- Mar. 2010-Oct. 2011

**Electrician**, Syncrude Emissions Reduction Project (SERP) construction, Fort McMurray, AB

**JV Driver Projects Inc.** -- Apr. 2009-Dec. 2009

**Electrician**, Albion Sands Jackpine Mine Project construction, Fort McMurray, AB

**Integral Energy Services Ltd** -- May 2008-Mar. 2009

**Electrician**, CNRL Horizon Oil Sands Project construction, Fort McMurray, AB

**Pacific Electronic Security Inc.** -- Sept. 2004-Apr. 2008

**Security Systems Technician**, Richmond, BC

- Designed, installed, programmed, maintained, troubleshot and repaired intruder and security alarm, fire alarm, access control, intercom, CCTV systems.

**Kaiping Polyester Enterprises Group Co.** -- Sep. 1992-Mar. 2004

**E&I Maintenance Technician**, Kaiping City, P. R. China

- Responsible for installing, commissioning, troubleshooting, and repairing all electrical and instrument equipment for the largest chemical fiber manufacturer in Southern China.

## **Certificates and Training**

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- BCTQ Red Seal Journeyman Electrician Certificate.
- Inter-provincial Red Seal Journeyman Instrumentation Technician.
- British Columbia Journeyman Security Systems Technician.
- FOA (Fiber Optic Association) Fiber Optics Certification.
- M.I. Electrical Heat Trace Splicing and High Voltage Termination training.
- Swagelok Tube Fitting Installation and Tube Bending Training.
- Safety training: Arc Flash Awareness, CSTS 09, H2S Alive, WHMIS 2015, OSSA Fall Protection, Elevated Work Platform, Confined Space Entry and Monitor, Standard First Aid with CPR & AED.

## **Education**

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- Apr. 2016 Northern Alberta Institute of Technology (NAIT)  
CFOT100 – Fiber Optics Certification
- Apr. 2013-Apr. 2016 Northern Alberta Institute of Technology (NAIT)  
Apprenticeship Training: Instrumentation Technician
- Mar. 2008-Apr. 2008 British Columbia Institute of Technology (BCIT)  
Security Systems
- Sep.1990-July 1992 Wuyi University, Jiang Men City, P. R. China  
Diploma of Electronics Engineering

## **References:**

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Available upon request