YAN J SMITH

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ELECTRICAL ENGINEER

Skilled recent graduate with a Bachelor of Science degree in Electrical Engineering and 5+ years of academic experience assembling, designing, programming, testing, provisioning, deploying and supporting electronic equipment and systems within schematic specifications. Additional expertise in troubleshooting computer hardware, electronic systems, production planning, project management and equipment maintenance. Strong technical and methodical aptitude with an innate ability to analyze, coordinate and synthesize data.

Resourceful, analytical and detail-driven with capabilities in completing multiple projects with competing deadlines. Aggressive in identifying and resolving inefficient operational processes. Strong team member; able to motivate others to achieve optimal production rates while maintaining safety methods and practices. Clear communicator, both oral and written. Strong interpersonal skills; interface effectively with coworkers, management, clients and customers. Excel in unpredictable and hectic environments.

CORE STRENGTHS

- Digital Control, Digital & Analog Signal Communication
- Electrical Circuit & Network Design
- Electrical Machines & Power Transforming
- Testing, Troubleshooting & Quality Assurance
- Time Management & Prioritization
- Process & Performance Improvement
- Work Effectively in a Team-Oriented, Collaborative Environment

TECHNICAL SKILLS

- AutoCAD
- C++
- C#
- Java
- MatLab
- Simulation Software
- Zigbee Mesh Network Structure
- Microsoft Office Proficiency
- PLCs, MCCs & Generator/Transformer Protection

EDUCATION

Bachelor of Science Degree, Electrical Engineering   Sep.2005-May 2010
University of Manitoba, Winnipeg MB

Electrical Engineering, Coursework   Sep. 2002-Jan. 2004
Shenyang University of Chemical Technology, Shenyang, China

MAJOR PROJECTS

Online Robot Game Design, University of Manitoba

- Designed and created a completely functional online robot game with a small team of peers; utilized software design and C+ to map out schematics; also completed controller and hardware programming

- Responsible for designing and creating the transmitter and receiver

Hospital Zigbee System Design, University of Manitoba

- Designed a client system that could be used in a hospital utilizing Zigbee data communication and protocol design; designed client and server software

- Designed and created microcontroller hardware programming (Zigbee transmitter, receiver and onboard sensors)