John Smith, BS

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ELECTRICAL ENGINEER

Skilled engineering professional with a Bachelor of Science in Electrical Engineering and 5+ years of experience assembling, designing, programming, testing, provisioning, deploying and supporting electronic equipment and systems within schematic specifications. Additional expertise in troubleshooting computer hardware and electronic systems using bench equipment with strengths in project management. 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

- Power Electronics & Power Systems
- Research & Development
- Testing, Troubleshooting & Quality Assurance
- Negative Transfer, Etching, Drilling, Design & Soldering
- Time Management & Prioritization
- Risk Assessment & Management
- Process & Performance Improvement
- Work Effectively in a Team-Oriented, Collaborative Environment

TECHNICAL SKILLS

- Auto CAD
- Microsoft Visual C++
- Microsoft Office Proficiency
- Microsoft Visio
- Multisin 10.0
- Ultiboard 10.0
- Icarus Verilog
- Circuit Maker 2000
- Graphmatica
- Mat Lab, version 2007

EDUCATION

Bachelor of Science Degree, Electrical Engineering **Sep. 2007-Dec. 2009**
Lakehead University, Thunder Bay ON

Electronics Engineering Diploma, Technology Cooperative Education **Sep. 2003-Dec. 2006**
Sheridan College, Brampton ON

MAJOR PROJECTS

CDMA Communication Link (Degree Project)
- Completed project within 1 year, with 4 months to brainstorm and 8 months to conceptualize
- Researched and consulted with various sources to create a working model of a cell phone communication link according to specifications and time constraints

FM Modulator and Demodulator
- Designed and implemented Functional Audio Transmitting FM Modulator and receiving Demodulator; utilized analog and circuit design knowledge and skill

Binary Phase Shift Keying (BPSK)
- Designed and built a working 2 channel encoder and decoder for digital communication studies
- Collaborated with group members and professors in implementation of PCB design for functional implementation; utilized Visio, Multisim 10.0 and Utilboard 10.0 to bring concept to working model
- Worked within 6 week deadline from practical design to implementation to presentation

Erbium Doped Fiber Amplifier (EDFA)
- Theoretical analysis and overview of fiber design parameters for optical communications studies