

Jennifer Megan Alexander

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Objective	Seeking a position of electrical engineer and to work with a progressive and forward thinking company	
Education	Georgia Institute of Technology, Atlanta, GA Bachelor of Science in Electrical Engineering <ul style="list-style-type: none">• Current GPA – 3.14 University of West Georgia, Carrollton, GA <ul style="list-style-type: none">• Transfer GPA – 3.76	Estimated graduate date May 2011
Skills	Controls <ul style="list-style-type: none">• Stability, Root Locus, Nyquist rate, Bode Design• Discrete Systems Power Systems <ul style="list-style-type: none">• Three Phase Systems, Power Systems, Transformers Digital Signal Processing <ul style="list-style-type: none">• LTI/Causal Systems, FIR/IIR/LP/HP/BP/BS Filters• Fourier Transform, Z-Transform, Convolution, Nyquist rate• Random Processes, Stationary Processes, Auto-correlation, Power Spectral Density Software <ul style="list-style-type: none">• Microsoft Visual Studio, MATLAB, NI Multisim, NI LabVIEW, Cadence OrCAD• Altera Quartus II, Mathcad, Windmill, Light Table Programming <ul style="list-style-type: none">• C/C++, MATLAB, VHDL Circuitry <ul style="list-style-type: none">• Node and mesh equations, Thevenin/Norton equivalents, Superposition, Laplace Transforms Instrumentation <ul style="list-style-type: none">• Oscilloscope, Multimeter, Function Generator, Logic Analyzer• Three phase power quality analyzers Communication <ul style="list-style-type: none">• Presentations, Technical Reports, Meetings, Emails Leadership <ul style="list-style-type: none">• Coached and Managed Intramural Softball and Flag Football teams• Teaching Assistant, Workshop Leader	
Experience	Central Georgia EMC, Jackson, GA Engineering Intern <ul style="list-style-type: none">• Performed ark flash studies• Conducted coordination studies using Light Table• Drew one line diagrams of substations• Programmed and installed electronic recloser controls, switched capacitor controls, and regulator controls• Installed and troubleshot communication systems• Terminated fiber optic cable	May 2008 – August 2010 (3 Summers)
	University of West Georgia Chemistry Lab Teacher Assistant <ul style="list-style-type: none">• Duties: Trained to prepare/run General Chemistry labs	January 2008 - May 2008 (1 Semester)
	University of West Georgia Chemistry Workshop Leader <ul style="list-style-type: none">• Duties: Trained to prepare/run workshops for General Chemistry students	August 2007 – May 2008 (2 Semesters)
	University of West Georgia Research Assistant <ul style="list-style-type: none">• Duties: Researched nanochrySTALLINE titanium solar cells	October 2006 - December 2007 (2 Semesters)
	Redland Farm, Zebulon, GA Farm Manager <ul style="list-style-type: none">• Operate farm equipment with attachments (tractors, trackhoes, trucks) apply chemicals for brush/weed control• General mechanical maintenance including engine overhaul, transmission rebuilds, welding, hydraulic repair• Plan livestock breeding program and manage livestock marketing	2001 - Present