

# JOEL F. SWANSON

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## PROFESSIONAL OBJECTIVE

Develop engineering experience and expertise through work in transportation engineering.

## EDUCATION

### **Bachelor of Science in Civil Engineering**

Georgia Institute of Technology, Atlanta Georgia, August 2003, Cululative GPA: 3.06

### **Bachelor of Arts in Natural Science: Engineering, *cum laude***

Covenant College, Lookout Mountain, Georgia, May 2003, Cumulative GPA: 3.51

## WORK EXPERIENCES

**Engineering Intern**, Volkert & Associates, Chattanooga, Tennessee. Current work includes urban arterial traffic signal timing studies, CCTV traffic surveillance system design, fiber optic networks for traffic signal communications, and traffic signal design. 18 August 2003 to present.

**CAD Operator**, Volkert & Associates, Chattanooga, Tennessee. Designed and drafted traffic intersections, interconnected signalization systems, and highways in Microstation and AutoCAD. Summer 2002, January - August 2001, Summer 2000.

**Junior Engineering Technician**, Killam Associates, Cape May Court House, New Jersey. Edited existing plans in AutoCAD. Assisted surveyors in field work. Served as chief field inspector at a water tower painting job. Summer, 1999.

**Webmaster**, Hearthside Homeschool Helps, Ringgold, Georgia. Created and maintained a simple website. Spring 2000-Spring 2003.

**Catalog Layout Designer**, Hearthside Homeschool Helps, Woodbury, New Jersey. Developed, typed, and laid out a catalog for a retail book business. Designed flyers and created a customer database. Summer 1996.

**Sales Representative**, Hearthside Homeschool Helps. Managed displays at curriculum fairs. Explained educational methodologies and products to customers. 1995-1997.

## SPECIAL SKILLS

Highly motivated. Quick learner. Able to work independently, and gives attention to details. IBM computers - AutoCAD, Microstation, Word, Excel, Quark XPress.  
UNIX/Linux - familiar with basic user commands.

## LEADERSHIP POSITIONS & HONORS

MacLellan Scholarship recipient (A 60% tuition scholarship based on leadership ability, academic achievement, extracurricular involvement, and Christian character).

Initiated and coordinated a Jr/Sr High group for homeschoolers.

## INTERESTS

Engineering, mathematics, philosophy, history, reading, languages, and music. Play piano, organ, and guitar. Studied in Qinhuangdao, China fall of 1998, and in Glasgow, Scotland fall of 2000. Traveled in Sweden, Scotland, and Germany, summer 2003.

## OTHER WORK EXPERIENCES

Missionary Assistant, Tranås, Sweden.

Developed office procedures for a scanning project, lead music, built cross-cultural relationships, assisted with an English camp. Five weeks, summer, 2003

Graphic layout and design, Mary Wentling, Wilmington, Delaware.

Designed layout for two books. Spring 1999, Fall, 1999.

English Teacher, Northeast University, Qinhuangdao, China. Fall, 1998.

Church organist, First Presbyterian Church, Fort Oglethorpe, Georgia.

Fall, 1997 to present.

Laborer, Lew Newcomb Instalations, Mickleton, New Jersey.

Demonstrated diligence in completing tasks. Summer, 1997.

Private Tutor, Bob Borger, Fort Oglethorpe, Georgia. Fall, 1997 through Spring, 1998.

Teacher, Introductory Latin class for 18 children. Fall, 1995 to Summer, 1997.

Camp Counselor, French Creek Bible Conference, Elverson, Pennsylvania.

Resolved interpersonal conflicts among campers. Summer, 1994-1996.

#### REFERENCES

Excellent references available upon request.