

Michael Gary Devloo, P.E.

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Objective

Utilize my engineering, and entrepreneurial background to develop creative solutions for engineering and construction problems.

Work Experience

GroundUp Engineering, Vail, CO *www.gndup.com* April 07-Present

Principal, Self-Employed

- Civil engineering, drafting, and construction management projects.
- Authored, published, and marketed the first English-Spanish building construction reference manual.
- The book, *Casa Construction, Exterior* published in 2008, outlines the home building process and explains concepts in a unique side by side dual-language format.
- Hired, coordinated, and managed: translators, web developers, graphic designers, and publishers.
- Developed related online tools, marketing, and promotional products. *www.casaconstructionbook.com*
- Graphic and page layout design using Adobe CS4, digital videos
- Gave presentations to large and small construction companies, colleges, attended trade shows

Marcin Engineering LLC, Vail, CO

January-August 04, June 05-August 07

Project Engineer

- Civil Engineering intern for 8 months, then hired as a full time as a project engineer.
- Worked directly with other engineers and owner to produce and edit engineering and surveying plans.
- Civil infrastructure design and project management: road and utility design, plan and profile drawings, site plans, cut-fill balance, construction cost estimating, construction supervision, AutoCAD LDD
- Conducted field reports: interfaced with site foreman to check on progress and verify construction to plans.
- Produced exhibits, quantity take-offs, and wrote proposals for a variety of projects.
- Hydrology analysis, run-off calculations using winTR55 and the rational method, flood studies.
- Surveying project manager for village homes at eagle ranch, Eagle, CO March 06-August 07
Managed surveyors, drafting, field crew scheduling. conducted regular meetings with on-site superintendents for a 100 home subdivision project.

Matkin-Hoover Engineering, Boerne, TX

June-August 03

Civil Engineering Intern

- Worked full-time as a summer intern directly with owner and engineers in producing water, drainage, sewer, and street plan and profile drawings using AutoCAD Land Development Desktop.

DI Construction, Houston, TX

December 02

Construction Crew Chief

- Supervised two Spanish-speaking laborers in framing a 600 sq. ft. second story addition to a home.

Education

- **Colorado School of Mines** Golden, CO B.S. Engineering, Civil Specialty May 2005
- Universidad Politécnica de Madrid Transferred 22 credits to Mines. 2001-2002
- University of Wyoming Completed Online Engineering Surveying course, 2006

Licensure and Skills

- Professional Engineer, State of Utah 2009
- CPR, TIPS trained, Avalanche 1, Wilderness First Aid
- Fluent in Spanish. Proficient in technical and legal translations, Bilingual Author

Interests

- Engineering problem solving: Major university projects include design of a gold ore Heap leach pad and solution distribution system, design and economic analysis of a micro-hydroelectric power system, design of wetlands wastewater treatment system for a village in Honduras.
- Green, energy conscious design, sustainable development, home solar systems, green building products.
- Teaching and tutoring adults and high school students: English-Spanish, Solar Economics, Math.
- Backpacking, climbing, mountain biking, snowboarding, kayaking, rafting, travel, yoga, art, guitar, creative writing, publishing