

Michael Devloo P.E.

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Education

- **Colorado School of Mines** Golden, CO
- B.S. Engineering Civil Specialty May 2005
- Active licensed **Professional Engineer**, State of Utah 2009
- Sophomore year (2001-2002) Studied engineering courses in Spanish at a Polytechnic University in Spain through Colorado School of Mines international exchange program. Transferred 22 credit hrs.
- Completed 3 credit hr. Eng. Surveying course at The University of Wyoming Online, 2006

Notable Skills

- Self Motivated, creative self-starter, with a broad background in the Construction, and creative design
- **Fluent in Spanish**, wrote and published English-Spanish construction references
- Engineering and Architectural design and drafting using **AutoCAD** Land Development Desktop
- **Civil infrastructure design** an Project management: Road and utility design, Plan and Profile drawings, site plans, cut-fill balance, Construction Cost Estimating, Field reports, construction supervision
- Basic Accounting, management of accounts, reports using QuickBooks
- Graphic and Web design using HTML, Adobe **CS4**, Digital Videos
- Hydrology Analysis, run-off calculations using winTR55 and the Rational Method
- In field Construction Experience: Framing, Carpentry, Concrete, Plumbing, Electrical, etc.
- **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 water distribution system and wetlands wastewater treatment system for a village in Honduras
- Land Surveying with Robotic Total Station, and GPS: Construction Staking, Topos, As-builts, etc.
- Experienced wilderness traveler, topographic map reading, orienteering, backpacking, climbing, Mt. biking, Snowboarding, Safety Kayaker and raft guide, Avalanche 1 certified, CPR, Wilderness First Aid.

Work Experience

GroundUp Engineering, Vail, CO *www.gndup.com*

April 2007-Present

Principal- Self-Employed

- Primary focus has been to produce and market an English-Spanish building construction reference manual and related products. The book, *Casa Construction, Exterior* published in 2008, outlines the home building process and contains detailed descriptions, photos and diagrams explaining concepts in a unique dual-language format. Other English-Spanish construction communication products: *casaconstructionbook.com*
- Mike pursues small civil engineering, drafting, and construction management projects, Contract Work.

Marcin Engineering LLC, Vail, CO

January-August 04, June 05-August 07

- Worked as an intern for 8 months, and then full time as a Project Engineer, for the Land Development Engineering and Surveying firm.
- Worked directly with other engineers and owner to produce and edit engineering and surveying plans.
- 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.
- Surveying Project manager for Village Homes at Eagle Ranch, Eagle, CO March 2006-August 2007
Managed surveyors, drafting, field crew scheduling, conducted regular meetings with on-site superintendents.

Matkin-Hoover Engineering, Boerne, TX

June-August 2003

- Full-time summer intern for a small, growing Land Development Engineering firm
- Worked 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 2002

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