

WORK

CU Denver Laser Lab

August 2012 - May 2013

Denver, CO

Laser Lab Monitor

- Monitored laser scheduling and performed both routine and repair maintenance on Universal Laser Systems laser cutting machines.

Facility Engineering Associates

June 2008 - November 2009

Lakewood, CO

Staff Engineer

- Designed, assisted with bidding, load tested, and performed annual certifications of fall protection systems including both standard and custom-designed components.
- Performed site observations on building exteriors using swing stages and bosuns' chairs.
- Conducted research and wrote white papers including how to conduct lighting level measurement and another regarding Fan Wall Technology™ mechanical systems.
- Traveled out of state regularly for both short-term trips as well as trips lasting up to one month.
- Conducted GPS surveys and assessments of underground utilities for the National Park Service.

The Farnsworth Group

Summer 2006 - June 2008 (intermittent)

Colorado Springs, CO

Intern

- Participated in commissioning and functional testing responsibilities including site visits, preparing site observation reports, and meeting with clients.
- Assisted in the development and testing of web-based commissioning tools.
- Analyzed contractor submittals to ensure LEED certification requirements were met.

Camp Lincoln for Boys

Summer 2005

Lake Hubert, MN

Windsurfing Activity Director, Counselor

- Created lesson plans, assembled and maintained equipment, and taught a variety of courses related to windsurfing.

Adirondack Chair Construction

Summer 2003

Monument, CO

Owner and Operator

- Designed and manufactured chairs from redwood lumber.
- Improved my knowledge of manufacturing and assembly processes.

EDUCATION

The University of Colorado at Denver

August 2010 - May 2013

Denver, CO

Master's Degree . Architecture

- Graduated in May, 2013 with a Master's Degree in Architecture

The University of Colorado at Boulder

August 2003 - May 2008

Denver, CO

Bachelor of Science . Architectural Engineering | Minor . Mechanical Engineering

- Graduated in May, 2008 with a Bachelor of Science degree in Architectural Engineering with an emphasis in structures as well a Minor in Mechanical Engineering

COURSEWORK & SKILLS

Coursework

Advanced Architecture Studios, Calculus III, Differential Equations, Physics III, Materials, Mechanics of Solids, Dynamics, Thermodynamics, Fluid Mechanics and Heat Transfer, Building Construction, Steel Design, Reinforced Concrete Design, Cost Engineering, Electrical Systems, Illumination, and Plane Surveying.

Programs

Autodesk AutoCAD, Rhino, Maxwell Render, Adobe Creative Suite (Photoshop, Lightroom, Illustrator, InDesign, Dreamweaver, Premier Pro), and Microsoft Office.

INTEREST & AWARDS

Professional & Personal

Boy Scouts (earned Eagle Scout Award), American Institute of Architecture Students member, Design Build Institute of America, SCUBA diving, windsurfing, wakeboarding, sailing, camping, skiing, travel, photography, The Navigators, volunteering (Sun Valley West Condo Association, Vice President 2010-2013, Whiz Kids tutoring, and construction-related missions trips to Juarez, Mexico and Mandeville, Jamaica).