

Alan Heninger
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OBJECTIVE

Seeking a position with a civil engineering firm with an emphasis on structural design, which will help me apply and improve engineering skills and principles I have learned in school.

EDUCATION

Masters of Engineering in Structural Engineering
Oregon State University

Anticipated Graduation Date June, 2009

Bachelor of Science in Civil Engineering, Minor in Spanish
Bachelor of Arts in Civil Engineering
Oregon State University
Graduated Suma Cum Laude – GPA 3.87

June, 2008

ENGINEERING AND OTHER APPLICABLE COURSE WORK

Analysis

- Determinate Structural Analysis
- Indeterminate Structural Analysis
- Dynamic Analysis
- Matrix Analysis Methods
- Non-linear Analysis Methods

Design

- Hot Rolled and Cold Formed Steel Design
- Reinforced and Pre-stressed Concrete Design
- Masonry Design
- Seismic Design

- Wood Design
- Temporary Structure Design
- Foundation Design
- Bridge, Transportation, and Highway Design

Other Coursework

- Economics, Statistics, Technical Writing
- Environmental Engineering, Sustainability
- Statics, Dynamics, Strength of Materials
- Fluid Mechanics, Hydrology
- Engineering planning and scheduling
- Contracts and Specifications

COMPUTER SOFTWARE AND WRITING SKILLS

- Microsoft Office Suite
- Adobe Page Maker
- AutoCAD
- In a security position wrote reports and other documentation.
- Matlab, MathCAD
- SAP2000, ETABS
- Slope W
- As a report lead wrote reports and reviewed reports written by others

LEADERSHIP, COMMUNICATION, AND TRAINING SKILLS

- Fluent in Spanish
- Member ASCE Sept 2006 - Present
- Managed and directed energy analysts and assessed their progress on report completion

EMPLOYMENT HISTORY

School of Civil Engineering
Oregon State University
Duties

Graduate Teaching Assistant

September 2008 - Present

- Responsible for both Statics and Pre-stressed Concrete
- Led recitations to answer questions and reinforce topics covered in lecture
- Held office hours to help students with homework
- Graded homework and exams and entered scores into grade book
- Prepared and posted homework solutions

Accomplishments

- Learned to explain engineering concepts in simpler terms
- Learned to effectively identify and resolve questions and concerns
- Reinforced my understanding of the material

IPMG Inc
10th Street Terrace, Corvallis Oregon

Resident Manager

August 2007- Present

Duties

- Performed routine and specific maintenance.
- Interacted with tenants to resolve complaints and issues.
- Managed rental agreements and status of 87 rental units.

Accomplishments

- Achieved 100% occupancy.
- Learned how to make quick decisions regarding severe maintenance emergencies
- Learned to stay calm and collected in stressful situations

Industrial Assessment Center
Oregon State University

Report Lead

June 2006- December 2007

Duties

- Toured industrial facilities to identify energy savings opportunities.
- Cooperated with engineering students from multiple disciplines to analyze energy use and recommend improvements for Industrial Assessment Center clients.
- Wrote clear and accurate reports, including calculations and narrative explanations.
- Reviewed and edited reports written by other energy analysts.
- Organized and compiled final reports for clients.
- Acted as a point of contact between the center and clients.

Accomplishments

- Promoted from energy analyst to report lead after 3 months.
- Wrote recommendations totaling more than \$1.5 million in savings.
- Established center standard for format of post assessment data requests.

OSU Structures Lab
Oregon State University

Student Intern

Summer 2007

Duties

- Assisted in testing full scale reinforced concrete beams.
- Mapped cracks during testing
- Cleaned area and removed forms after concrete pour.

Accomplishments

- Gained an understanding of reinforced concrete beams in modes of failure.
- Observed failure of full size reinforced concrete beams

Securitas Security
Hewlett Packard, Corvallis Oregon Site

Security Operations Officer and Guard

August 2005- September 2006

LDS Church

2 year Service Experience

August 2003-August 2005

AWARDS, RECOGNITION, AND HONORS

- Recognized as a top 10 math student in the state of Oregon 2000 and 2001.
- 2000, 2001, 2002 attended the Oregon State Invitational Mathematics Competition.
- Member of National Society of Collegiate Scholars 2003 – Present
- Eagle Scout, Boy Scouts of America
- National Merit Commended Student.
- Presidential Award for Excellence
- 2006 Waldo-Cummings Honorary Mention for academic excellence and community service.
- 2006 - 2008 Andy Aitkenhead Scholarship for academic excellence
- Member National Deans List 2005-Present
- 2007- 2008 OSU Civil Engineering honor role
- 2007 Member Phi Kappa Phi
- 2005 - 2008 Top 10% of Class