

# Shelly Moore

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## Education

**California Polytechnic State University, San Luis Obispo**

Bachelor of Science in **Civil Engineering**, June 20xx

Minor: **Construction Management**

Class Level: Sophomore

## Technical Projects and Labs – Cal Poly

### Computer Aided Drafting – House Design

- Generated layered floor plans in AutoCAD and layered and detailed 3D model in SketchUp

### Engineering Statics

- Designed and drafted two solvable truss and frame problems using AutoCAD

### Engineering Dynamics

- Designed and tested a small scale bumper to ensure a safe deceleration during impact

### Civil Engineering Materials

- Batched various types of concrete to meet specifications and standards
- Tested concrete samples using compression machine, concrete air meter, flexural testing machine

### Microsoft Excel

- Analyzed large groups of data to maximize understanding of information
- Presented and organized data into charts, figures, graphs and pivot tables
- Wrote code for VBA to create an application to determine optimal study locations on campus

### Engineering Surveying

- Performed fieldwork using a total station to traverse fields on campus, and find elevations of local points

### Fundamentals of Transportation Engineering

- Conducted a traffic survey for a local street from data collected using radar technology
- Developed familiarity with GIS software, and learned basic skills for navigating the program

### Technical Writing for Engineers

- Collaborated in a team of four to create six instructional guides for a smartphone through iFixit, an open source web company
- Published clear and concise repair guides, which have garnered 13,200 hits to date

## Computer Skills

AutoCAD, SketchUp, Microsoft Word/Excel/PowerPoint

## Leadership and Honors

**Team Manager**, Cal Poly Intramural Soccer Team (2<sup>nd</sup> place in division)

Society of Civil Engineers – Cal Poly Chapter

Bechtel Scholarship Recipient

## Work Experience

**Associated Students Inc. – Cal Poly**

September 20xx – March 20xx

Official for Cal Poly Intramural Soccer (10-12 hours per week)

- Demonstrated effective leadership, communication, and time management skills