

James Anderson

1234 Johnson Avenue , San Luis Obispo, CA 93405
(805) 756-1111
janderson@calpoly.edu

- OBJECTIVE** To attain a career position in engineering with an emphasis in water and wastewater management
- EDUCATION** California Polytechnic State University, San Luis Obispo June 2008
Bachelor of Science, BioResource and Agricultural Engineering
Concentration: Water and Wastewater Management
- Related Coursework*
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|-----------------------|----------------------------------|
| CAD for Engineers | Agricultural Structures Planning |
| Equipment Engineering | Drainage |
| Hydrology | Engineering Surveying |
| Wastewater Management | Irrigation Engineering |
- PROJECTS**
- Biogas Renewable Energy Conversion Facility** Spring 2005
- Designed a building for a classroom and methane collection facility
 - Calculated cut and fill volume by surveying site
 - Determined layout, building type, and energy evaluation
- Hand Move Sprinkler Irrigation Design** Spring 2006
- Calculated flow rate and pressure at each nozzle
 - Designed system based on economic pipe sizing
 - Submitted a material list and cost estimate with scaled drawings in a presentation to a potential customer
- Manually Operated Load Release** Winter 2006
- Designed, constructed, tested and evaluated the device
 - Drew and tested device using SolidWorks
 - Completed a cost analysis for manufacturing
- EXPERIENCE**
- Groeniger & Co., Santa Maria, CA** Summer 2005
Intern
- Initiated improvements to a software program, which resulted in more efficient service to customers
 - Contacted city departments regarding standards and specifications for underground piping
- Provost & Pritchard Engineering Group, Visalia, CA** Summer 2006
Intern
- Coordinated with dairy owners and NRCS in the planning and completion of a manure project
 - Surveyed water basins to find water table and construction sites for topography
- ACTIVITIES**
- Agricultural Engineering Society
American Society of Agricultural and Biological Engineers
Quarter Scale Tractor Design Team
Tractor Pull Club; Trackside Equipment Officer
Cal Poly intramural soccer and basketball