

# Christopher Salam

Multi-disciplinary Engineer & Web Developer

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## Chemical Engineer – RCM Digesters

April 2013 – October 2014

Project Lead - Biological Scrubber System. Designed, sized, built, and monitored scrubber systems at each project, estimated budget of \$150,000 at 5 different projects in U.S. and Australia.

Built anaerobic digester gas upgrading (H<sub>2</sub>S removal of gas stream) system for farm-source anaerobic digester system. Designed company's first hybrid scrubber system. Used 3D AutoCad drafting, procurement, controls, and fabrication.

## Petroleum Engineer – State of California

September 2011 – April 2013

Conducted well abandonment operations and safety tests on production and abandonment wells. Monitored separation of freshwater zones from oil production zones, assessing blowout prevention equipment, and responding and recording industrial accidents.

## Mechanical Engineer – State of California

December 2010 – September 2011

Wrote internal grants for energy efficiency projects and helped review and rewrite computer code for a government energy retrofit and energy audit programs. Learned Visual Basic and CAD, and got a crash course in CA politics.

**5+ years:** Laboratory experience at University of California – Ecology, Environmental/ Chemical Engineering (part time).

**3 years:** Teacher's Aide for engineering economics courses at UC Davis.

**6 months:** Nonprofit experience in Guatemala for renewable energy technologies.

**6 months:** Self study of JavaScript and Web Development, portfolio in development. Assisting parter parter with freelance business.

## EDUCATION & CERTIFICATION

### Master's in Agricultural Engineering

January 2011  
UC Davis

### Bachelor's in Environmental Engineering

June 2007  
UC Riverside

### Professional Engineer

(Chemical Engineering)  
Registered in California 2013

## COMPUTER LANGUAGES & TECHNOLOGIES

### Self-taught web development skills:

HTML5, CSS3, JavaScript  
JS technology focus: Ember, Node/Express, Angular, JQuery  
Git, Coffeescript

### Other skills:

AutoCAD, Linux, Microsoft Office Suite, VB, XML, and Database technologies.

Interested in developing informational and government-use websites and have familiarity with maps and usage of governmental data.