

Christopher Salam

Energy Engineer or Software Engineer Intern

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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 (H₂S 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.

OTHER EXPERIENCES:

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

6 months: Nonprofit experience in Guatemala for biological treatment facilities and other renewable energy technologies.

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

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

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:

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

Interested in informational and product websites and have used governmental data and maps.