

GABBY HERNANDEZ

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EDUCATION

University of California, Davis	Status: Senior Standing
Bachelor of Science, Civil and Environmental Engineering	Expected Graduation: Fall 2015
GPA: 3.7/4.0	

National University of Ireland, Galway	Summer 2013
Took a course on Water Quality Management and learned about public health and outbreaks associated with clean and water wastewater treatment plants in the US and Ireland	

SKILLS

- Proficiency in Microsoft Office, Internet
- Experience with AutoCAD Computer Aided Design and Drafting, Geographic Information Systems (GIS), and Matrix Lab (MATLAB), Website Design (HTML), LabView
- Bilingual (Spanish/English)

WORK EXPERIENCE

Water Resources Intern, Solano County Water Agency	January 2015-Present
<ul style="list-style-type: none">• Obtain and manage water quality data for the North Bay Aqueduct• Research sludge removal alternatives for the Putah South Canal	

Research Assistant, Department of Civil and Environmental Engineering	September 2014-Present
<ul style="list-style-type: none">• Collaborate with graduate students and professor to investigate concrete shrinkage and cracking	

Lake Berryessa Outreach Intern, Solano County Water Agency	April-September 2014
<ul style="list-style-type: none">• Presented information to individuals and groups about water quality issues and invasive mussels• Managed, reported, and presented data to federal, state, and local agencies	

DESIGN PROJECTS

Mix Captain, UC Davis Concrete Canoe Team	2012-Present
<ul style="list-style-type: none">• Managed and organized a seven member mix team and twenty-six member club• Designed a buoyant concrete mix, which was used to create a 19ft long concrete canoe• Established project timelines to meet deadlines	

Foundation Design of Oakland Federal Building, ECI 173	Fall 2014
<ul style="list-style-type: none">• Evaluated various foundation designs and corresponding settlements• Collaborated with a team to create a project report	

AFFILIATIONS

American Society of Civil Engineers (ASCE) Webmaster	2013-Present
UC Davis American Water Works Association	2013-Present
Chicano and Latino Engineers and Scientists Society (CALESS)	2011-Present

ACHIEVEMENTS

Gates Millennium Scholar	2011-Present
Dell Scholar	2011-Present
Chevron Scholar	June 2014