

MICHELLE LEGASTO ECKARD

mileg@ucdavis.edu (760)672-8170

P.O. Box 190501, San Francisco, CA 94119-0501

OBJECTIVE	An entry-level career position related to the field of water resources	
EDUCATION	University of California Davis	Davis, CA
	Bachelor of Science in Civil & Environmental Engineering, June 2015	
	National University of Ireland, Galway	Galway, Ireland
	Education Abroad Program, Summer 2013	
WORK EXPERIENCE	Engineering Student Intern, Sacramento Area Sewer District	May - December 2014
	<ul style="list-style-type: none">• Member of the Engineering Business Planning Team• Determined program effectiveness and updated regulatory documents using Excel, Access, and internal databases such as CMMS and Maximo• Identified performance levels using the Asset Management Plan & the International Infrastructure Management Manual	
RELATED COURSEWORK	Hydraulic Structure Design, Engineering Hydrology, Groundwater Systems Design, Water Resources Engineering Planning, Water Quality Management, Water and Wastewater Treatment System Design, Soil Mechanics, Earthquake Engineering, Physical Geology, Structural Analysis, Construction Principles and Project Management, Engineering Economics, Technical Writing	
LEADERSHIP EXPERIENCE	American Water Works Association (AWWA), Webmaster	2013-Current
	<ul style="list-style-type: none">• Maintain chapter website and mailing list• Publicize club activities and have increased website traffic by 290%	
	Pilipino Americans in Science and Engineering (PASE), Treasurer	2012-Current
	<ul style="list-style-type: none">• Oversee expenditures, develop and coordinate fundraising programs, and prepare quarterly financial reports	
	Society of Women Engineers (SWE)	2012-Current
	<ul style="list-style-type: none">• Co-coordinator of the 2014 Region A Conference. Responsibilities included publicity, organizing conference facilities and catering services, and participating in company outreach• Mentor in "Big Sis" program for which I advise a fellow engineering student	
PROJECTS	International Conversations Partner Program	January-June 2013
	<ul style="list-style-type: none">• Tutored an international student to improve their English skills	
	Senior Design Project - Improvements Project Design Report for the City of Dixon	
	<ul style="list-style-type: none">• Determined the design parameters for the re-design of the Dixon wastewater treatment facility based on historical data• Designed a clarifier, aeration and anoxic basin, and a UV disinfection system• Created a hydraulic profile for the re-design of the facility	
	Senior Design Project - Hydraulic Structure Design	
	<ul style="list-style-type: none">• Designing an integrated urban drainage system using HEC-22 guidelines• Design includes extensive usage of FlowMaster, CulvertMaster, and AutoCAD	
SKILLS	Operating Systems: Windows, MacOS Platforms: Safari, Chrome, Internet Explorer Software: Microsoft Office: Word, Excel, PowerPoint, Access; Matlab, Photoshop, Google Earth, Adobe Acrobat, GIS, AutoCAD; FlowMaster	
INTERESTS	American Society of Civil Engineers (ASCE), skiing, scuba diving, reading, and traveling	