

Eric A. Zielke, EIT, LEED AP

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Education

University of California Berkeley ; Fall 2008 - Spring 2009	Berkeley, CA · USA
Humboldt State University ; Fall 2003 - Fall 2007	Arcata, CA · USA
University of Puerto Rico - Mayagüez ; Fall 2006 (Exchange)	Mayagüez, PR · USA Commonwealth
Costa Rica Study Abroad, S.A. ; Spring 2003 (Exchange)	San Jose · Costa Rica
Humboldt State University ; Fall 2002 (Exchange)	Arcata, CA · USA
University of Wisconsin - Eau Claire ; Fall 2001 - Spring 2002	Eau Claire, WI · USA
M.S. - Environmental Engineering, University of California Berkeley	Spring 2009
B.S. - Environmental Resources Engineering, Humboldt State University	Fall 2007

Work Experience

Parsons Corporation , <i>Associate Engineer</i> Honolulu, HI · USA	July '09 - Present
California Department of Transportation , <i>Transportation Engineer (Civil)</i> Eureka, CA · USA	Jan. '08 - Aug. '08
Humboldt State University - Learning Center , <i>Instructional Student Assistant</i> Arcata, CA · USA	Aug. '04 - Dec. '07
Campus Center for Appropriate Technology , <i>Engineer Research Consultant</i> Arcata, CA · USA	March '07 - Dec. '07
Penn State University - CEKA , <i>REU Intern</i> State College, PA · USA	May '07 - July '07
University of Puerto Rico - Mayagüez , <i>Chemical Engineering Research Assistant</i> Mayagüez, PR · USA Commonwealth	Oct. '06 - Dec. '06
Appropriate Infrastructure Development Group , <i>Engineer Intern</i> Xela, Quetzaltenango · Guatemala	June '06 - Aug. '06
Schatz Energy Research Center , <i>Docent Volunteer</i> Arcata, CA · USA	Sept. '05 - April '06
U.S. Public Health Service - Indian Health Service , <i>Engineer Intern</i> Arcata, CA · USA	May '05 - Aug. '05
U.S. Public Health Service - Indian Health Service , <i>Engineer Intern</i> Pocatello, ID · USA	May '04 - Aug. '04
Humboldt State University , <i>Student Assistant</i> Arcata, CA · USA	March '04 - May '04
Campus Center for Appropriate Technology , <i>Volunteer</i> Arcata, CA · USA	Sept. '03 - Dec. '03
Pacuare Nature Reserve , <i>Biological Research Assistant</i> Matina, Limon · Costa Rica	May '03 - July '03

Associated Skills

Technical

Writing (Word, L^AT_EX, HTML)
Programming (Fortran, Matlab/Scilab, Visual Basic, Excel)
Operating Systems (Unix, Linux, Macintosh, Windows)
Additional Computer Skills (CAD, GIS)

Communication

Spanish Fluency
Professional networking/consulting
International and Native American relations
Instructional/ Tutoring experience

Notable Projects

Ninth Avenue Terminal (NAT) - Solar Photovoltaic (PV) Feasibility Study. (2008) [Online] Available <http://www.ninthavenueterminal.com/press.html>, January 2, 2009.

“Repair Storm Damage” EA 01-478604 - Caltrans: Notice to Bidders and Standard Specifications (2008) [Online] Available http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/01/01-478604/, October 14, 2008

Thermodynamic Analysis of a Single Chamber Microbial Fuel Cell - AIChE Student Poster Session (2006) [Online] Available <http://aiche.confex.com/aiche/2006/techprogram/P78565.HTM>, November 13, 2006

Design of a Single Chamber Microbial Fuel Cell. (2006) [Online] Available http://www.engr.psu.edu/ce/enve/mfc-Logan_files/mfc-makeone.htm, March, 28 2006.

Zielke, E.; Kane, J. (2005). “Individual Water System Needs Assessment: Yurok Tribe - Preliminary Engineering Report.” U.S. Public Health Service - Indian Health Service, Arcata, CA.

Jungers, B.; Gopal, A.; Carter, D.; Bohn, J.; Adame, G.; Pearlman, A.; Saucedo, D.; Zielke, E.; Strikes, E.; Williams, T.; (2004). “Design Proposal for a Hydrogen Fueling Station - H2U design competition.” National Hydrogen Association annual conference proceedings.