Marcela Vazquez

(925) 518-2674   mbvazquez56@gmail.com

EDUCATION

SAN DIEGO STATE UNIVERSITY   San Diego, CA
Bachelor of Science in Applied Mathematics   Anticipated Graduation: May 2017
Emphasis in Computer Science

WORK EXPERIENCE

BASELAYER   San Francisco, CA
Energy Analyst Intern   June 2016 - August 2016
- Created economic cost analyses for stakeholders to illustrate the economic benefits enabled by company's products and technology in conjunction with participation in utility demand response programs
- Conducted and compiled research regarding demand response programs and energy incentives offered by utility companies to facilitate product marketing
- Developed a more comprehensive understanding of the latest innovative technologies and practices at energy conferences and gained exposure to strategic marketing approached at sales meetings
- Collaborated with team members to refine deliverables

WEST COAST TRAINING CENTER   Livermore, CA
Front Desk Manager   March 2013 - August 2015
- Responsible for enrolling, creating, and maintaining class schedules to accommodate customers' time requests and needs
- Supervised and executed gym events for over 50 attendees and staff
- Managed 15 or more classes for over 200 clients while also coaching classes
- Initiated daily communication with clients and assisted with questions, concerns and overall organization of enrollment and payment processes

LAWRENCE LIVERMORE NATIONAL LABORATORY   Livermore, CA
International Atomic Energy Agency Safeguards Intern (IAEA)   June 2011 - August 2011
- Learned and applied clean room radiogenic geochemical techniques for isotopic analysis of Uranium and Plutonium using a mass spectrometer
- Assisted with data collection and geochemical analyses of environmental samples from a contaminated site
- Interpreted data and completed presentation to staff

SKILLS

PROGRAMMING LANGUAGES: C++, Java, Python, MATLAB, R

DATA ANALYSIS: Error and convergence analysis, numerical and linear algebra, manipulating and analyzing data

MATHEMATICAL MODELING: Linear regression models, linear algebra models, probability models, calculus models, differential equation models, stochastic models, dimensional analysis, applications, and R programs.