

Michael Mecchie, EIT

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Sample Resume

EDUCATION

M.S. in Mechanical Engineering GPA: 3.58

University of Southern California, Los Angeles, CA

Expected May 2017

B.S. in Mechanical Engineering GPA: 3.42

University of South Florida, Tampa, FL

May 2015

SKILLS

Foreign language: Arabic

Computer: Solidworks, Matlab, LabView, Excel and C++

PROFESSIONAL & RESEARCH EXPERIENCE

Department of Environmental Engineering, University of Southern California (05/2016- Present)

Graduate Research Assistant

- Designed the fluid and gas line of an experiment with an aim of reducing fouling on the membranes by back flushing the effluent and sparging the biogas back to the three membranes
- Determined all the components required for the system and was in charge of contacting companies to order all the products at a set budget of \$60,000
- Developed a LabView code for data acquisition and to regulate the level of wastewater by activating the pumps accordingly

Hyder Consulting, Abu Dhabi, United Arab Emirates (07/2014 – 08/2014)

Intern

- Modeled major water networks and pumping stations using Epanet, PipeFlow and FlowMaster software
- Facilitated the design and operation of the new Mifra pumping station extension and sewage pumping stations as a part of Hyder Consulting MEICA team and made sure they worked properly
- Reported to eight senior engineers while carrying out tasks to support three separate pumping station projects

Schlumberger, Mersa Matruh, Egypt (05/2014 – 06/2014)

Field Engineer Intern

- Overhauled valves that did not pass the pressure test by disassembling and replacing spoiled parts
- Consistently tested and serviced treating equipment that returned from the oilrig and monitored the process of continuous improvement
- Led a team of fellow Interns in compiling and presenting our findings on safety and efficiency of the treating equipment handled on a day to day basis

STUDENT INVOLVEMENT

Viterbi Graduate Student Association - Senator (08/2016 – Present)

- Served as a voice for graduate students in the Aerospace & Mechanical Engineering Department to raise concerns to the department heads
- Introduced and planned event ideas for graduate students in the department with a set budget of \$1000

Liquid Propulsion Lab- Ignition Engineer (05/2016 – Present)

- Developed a new design concept for the igniter of rocket engine and made all the necessary stress analysis for the fire test

Society of Petroleum Engineers – President (09/2014 – 05/2015)

- Co-founded USF Chapter and recruited a treasurer, secretary, and an advisor
- Organized monthly meetings to plan the society's participation in the Engineering Expo

USC Viterbi
School of Engineering