

# Mona Elalami

Meggitt, Rotational Program – Mechanical Engineer

C: (805)433-2110

monazelalami@gmail.com

www.monaelalami.com

www.linkedin.com/in/mona-elalami/

---

## CAREER OBJECTIVE

---

*Applying my interdisciplinary and multi-departmental experiences and skills to solve complex problems. My background in mechanical and electrical engineering as well as architecture and business are intergraded to create innovative solutions that design optimal systems, products, and sustainable environments.*

---

## EXPERIENCE

---

### **Mechanical Engineer: Meggitt, North Hollywood, Rotational Program**

July 2019 – September 2020

- Interfaced with customers, analysts, test, manufacturing, and quality department to ship critical and problematic hardware with severe time constraint and design/resource limitations
- Lead Root Cause Correction Action Investigation for live product line
- Created concise and efficient procedure to test and characterize overall performance of a unit and all subcomponents
- Automatized / Streamlined test data analysis through Microsoft Excel Templates and Macro software
- Completed redesign and tolerance stack up for product design and process improvement
- Built R&D technology with high temperature and frictionless capabilities
- Demonstrated strong communication skills in order to communicate with other functional areas both internally and externally including customer and suppliers for successful completion of projects

### **Student Projects: UC Berkeley**

#### *Electric Vehicle (EV) Smart Charging*

August – December 2018

- Create and design functional prototype of a smart charging system
- Decrease stress on the grid by optimizing charge times of electric vehicles while reducing costs of electricity

#### *Wind Power Generator*

January – August 2018

- Collaborated with a team of 4 for Electrical Assembly, CAD Designing, and Prototyping
- Material processing analysis and selection on turbine blades, housing, and mounting

#### *Solar No Water (SolNoWat) Research*

January – August 2018

- Researched for atmospheric dry etching in photovoltaic cell production to determine its effect on the industry
- Determined the feasibility for industry to convert from wet etching to dry specifically with 0 global warming potential (GWP) & reduce water waste emission by analyzing environmental, economic, and technical aspects

### **Project Manager, Engineering Club: Moorpark College**

June 2015 – June 2017

- Received: Excellence Award & Tournament Champion in VEX Robotics Competition
- Constructed, designed, and funded Moorpark College's first drone
- Treasurer: Fundraised \$7,000 and managed all money and funding transactions from parts to travel and transportation arrangements throughout the VEX Worlds competition

### **Vice President, Society of Engineering Sciences (SES): UC Berkeley**

Aug 2018 – May 2019

- Collaborate with faculty members and organizations to improve engineering student life
- Lead and facilitate general/office meeting that discuss and implement policy regulations
- Plan and organize social events such as mentor/mentee program

---

## EDUCATION

---

### **University of California, Berkeley**

Aug 2017 – May 2019

B.S. in Energy Engineering

GPA: 3.51

Engineering Science Student Leadership Award

Berkeley Certification in Design and Innovation

Certification in Entrepreneurship and Technology

**Relevant Courses:** ME 40 (Thermodynamics) ME 106 (Fluid Mechanics) ME 109 (Heat Transfer) ME 122 (Processing of Materials in Manufacturing) EL ENG 137A&B (Electric Power Systems) EE 134 (Photovoltaics) ARCH 110AC (Social and Cultural Processes in Architecture & Urban Design) CE 186 (Design of Cyber-Physical Systems) CE 191 (Systems Analysis) LD ARCH 12 (Env Science for Sustainable Development) ENG 120 (Engineering Economics)

### **Moorpark College**

May 2014 – May 2017

A.S. in Engineering, Physics, Mathematics, & Economics

GPA: 3.84

Dean's List and Good Standing

---

## SKILLS

---

**Technical:** Microsoft Excel, Power Point, Project, and Word, AutoCAD 2004-7, MATLAB, Illustrator, SolidWorks

**Languages:** Proficient in Arabic

**Interests:** Soccer, Ping Pong, and Chess