



AbdulRahman Abughazala

Intuitive & driven young professional in mechatronics

Energetic, curious and driven individual focusing on learning and understanding new technologies

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WORK EXPERIENCE

Engineering Intern Omron Automation

06/2018 - 08/2018

Hoffman Estates, IL, U.S.

- 10 week internship focused on Application Engineering, Project Management, Marketing & Sales.
- Completed training classes in Ladder Programming, Industrial Networks, & Safety Assessment.
- Real Plant exposure through traveling to 9 States and 20+ cities exploring semiconductor, manufacturing, packaging and automotive industries.
- Completed and presented project to executive team detailing doubling 2017 revenue of \$8 Billion, attaining higher market share within different automation industries and exploring new technologies.

Engineering Intern PepsiCo - Saudi Snack Foods

07/2017 - 09/2017

Riyadh, Saudi Arabia

- Worked under supervision of Mechanical, Electrical and Mechatronic Engineers to maintain working conditions of automated packing machines and robots.
- Completed training in Industrial & Machine Safety, Machine & Factory Operations.
- Initiated a project that could lead to the improvement of machine and factory efficiency.

SKILLS

Ladder

C/C++

LabView

Solidworks

Inventor

Arduino

Computer Systems

3D Printing

Microsoft Office Suite

Industrial Networks

Python

HTML

EDUCATION

Mechatronic Engineering California State University, Chico

08/2015 - 05/2019

- Courses :
- Manufacturing, Logic Design, Embedded Systems,
- Mechanical Design, Digital System Design, Instrumentation,
- Circuits, Electronics, Control System Design, Motion/Machine Automation. Thermodynamics,

LANGUAGES

English
Native or Bilingual Proficiency

Arabic
Native or Bilingual Proficiency

PROJECTS

SAE Formula Electric Competition Team (2016 - 2018)

- Vice President & Power Train Systems Leader.
- Coordinated meeting where I led a discussion & assigned weekly tasks for 6 team members personal & team development.
- Researched possible implementation of PLA plastic for Aerodynamics & Bodywork sub-team.

ASCE Mid Pacific Conference - Concrete Canoe (2014 - 2016)

- Mix design R&D leader.
- Designed a concrete mix that achieved the buoyancy and operation of canoe during competition.
- Coordinated meetings, Assigned tasks to 8 team members, managed project progression leading up to competition.

ASCE Mid Pacific Conference - Steel Bridge (2015 - 2016)

- Responsible for machining & welding assistance of creating a steel bridge that can hold up to 2000+ lbs in competition.

Automation Project - Peanut Butter Jar Sorter (2016)

- Designed, Programmed, and Built a machine that can identify errors in packaging process with 98% accuracy

VOLUNTEER EXPERIENCE

Volunteer

Golden Gate National Parks Conservancy

2015

- Removed localized infestations of invasive plants.

Lecturer

Society of Manufacturing Engineers

2017

- Lectured 4 different classes of 175 Elementary, Middle & High school students about robotics & automation.

Laboratory Supervisor

Society of Women Engineers

2018

- Imagineer day 2018 Egg Drop Experiment

Volunteer

Feed My Starving Children

2018

- Participated in a half day packaging of food to be distributed to children in 70 different countries.

Volunteer

Walk on farm

2018

- Ensured the cleanliness of the barn and field space where patients undergo animal therapy