

Mazen Reda Elsheikh

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Education

Oregon State University, Corvallis Oregon

Expected: June 2022

Bachelor of Science (B.S) in Electrical Engineering and Computer Science

Experience

INTO OSU Learning Center, Tutor

September 2021 - June 2022

- Engaged in tutoring international students at different academic English levels.
- Demonstrated cultural awareness when interacting with students of different cultural backgrounds.
- Worked in front desk customer service to aid students with setting appointments and organizing meetings with tutors.
- Demonstrated the ability to be able to translate information when needed to students.

Senior Design Engineering Project, Co-Leader

September 2020 - June 2021

- Co-lead with a team of three a final engineering graduation project titled Electric Vehicle BLDC Motor Driver.
- Professionally planned, designed, and built a BLDC Motor Drive, with Field Oriented Control (FOC).
- Designed, built, and implemented Gate Driver circuit using circuit design software.
- Circuit and Printed Circuit Board (PCB) was designed on EasyEDA (a circuit design and PCB layout software).
- Assembled Surface Mount PCB components using a heat oven and reflow station.
- Produced professional documentation of the design and implementation process.
- Engaged in analytical reasoning and decision making within team brainstorming sessions.
- Applied mathematical equations and principles to make sure the appropriate power levels and consumption were available within the circuit.
- Presented findings reports to instructors and project partners upon completion of the project.

Ettihad Cultural Center, Communications Representative

September 2018 – June 2021

- Engaged in professional networking to maintain strong relationships with communications and media professionals driving partnerships and effective dissemination of mass communications.
- Performed document reproduction, printing documents from electronic sources (e.g., email attachments, PDF files, CDs, etc.)
- —Assisted with the planning and marketing of multiple campus-wide events, 9 events a year, 3 per term.
- —Was responsible for sending out weekly newsletter covering different news and events within the community.

- Served on annual Ettihad Cultural Festival representing more than 15 countries hosting 3000 attendees within the OSU Memorial Union Quad.
- Capturing and editing professional pictures of events using a DSLR camera.
- Demonstrated flexibility working with internal team members to remedy issues and brainstorming solutions.
- Increased promotion and awareness of events for students represented by ECC which includes Southwestern Asia, Central Asia and North Africa with a 20% increase in attendance.
- Demonstrated cultural sensitivity and awareness by interacting with ECC community members.

Junior Design Engineering Project, *Team Member*

November 2019 - March 2020

- Co-lead with a team of four an engineering project for our junior year (2019).
- Collaborated with the team to build a two-axis robotic arm with Selective Compliance Assembly Robot Arm (SCARA) topology.
- Modelled the enclosure for a robotic arm to hold the electrical components (PCB, Arduino) and a frame to support the arm and motors, designed for laser cutting.
- Self-taught Fusion 360 software and utilized it for the enclosure design. Adapted frame design to be laser cut acrylic.
- Engaged in analytical reasoning and decision making within team brainstorming sessions.

Skills

- Fusion 360 3D modelling software
 - Self-taught for Junior Design Project
- Circuit design, building and soldering.
- Analytical reasoning with project decisions.
- Collaborative leadership and event planning.
- Communications and networking
- Experienced using Microsoft Office Suite including Word, Excel, PowerPoint, Access, Publisher, and Outlook.
- Bilingual
 - English (native-like fluency)
 - Arabic (native)