

Yusuf Morsi

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OBJECTIVE

Highly focused and hard-working student with experience in engineering, programming, research, and leadership, looking for opportunities in technology that will add to my experience.

EDUCATION

University of California, San Diego, Bachelor's of Science Degree

- Electrical Engineering B.S. (Fall 2020 - Spring 2023)
- Major GPA: 4.0, Overall GPA: 3.85

University of California, San Diego Extension, Certification Program

- Program Your Future: Front-End Web Development Program Certification (Jan. 2020- Sep. 2020)
- Program Your Future: iOS App Development Program Certification (Jan. 2019- May 2019)
- Manage Your Future: Business Management Program Certification (Oct. 2020- May 2021)

Massachusetts Institute of Technology (online via edX), Course Certification

- Cybersecurity for Critical Urban Infrastructure Course Certification (July 2020- July 2020)

International Business Management Institute, Certification Program

- Project Management Program Certification (Aug. 2020- Dec. 2020)

Patrick Henry High School (San Diego, California), High School Diploma

- High School Diploma (Aug. 2016- June 2020)
- Graduated with Academic Distinction and Honors

EXPERIENCE

Researcher, Young Engineer Experience, Experimental Mechanics Laboratory SDSU

June 2019 - July 2019

Computer Product Tester, KLIM Technologies

June 2017- Present

SPECIAL SKILLS

- Speaks Arabic at professional working proficiency; beginner in Spanish
- Experience with:
 - C , Python, HTML, CSS, PHP (beginner), JavaScript, MATLAB (beginner), OpenCV (beginner), C++, Java (beginner), Arduino- Swift, and Verilog (beginner)
 - Autodesk Inventor, Autodesk Revit, Solidworks (beginner), OnShape (beginner), Multisim, Eagle, Vivado, and Fritzing
 - Microsoft Excel, Access, Word, and PowerPoint
- Hobbies include 3D Printing, Photography, and working with FPGA's
- Received **Adult and Pediatric First Aid/CPR/AED Certification** from American Red Cross in Aug. 2020 (expires in Aug. 2022)

ORGANIZATIONS

UCSD Electrical & Computer Engineering Alumni Mentorship Program, La Jolla, CA

Oct. 2020 - Present

- Member and Mentee

- Work with and gained important advice from UCSD Electrical Engineering graduate currently working in the industry.

UCSD IEEE, La Jolla, CA

Oct. 2020 - Present

- Member and Participant

- In addition to learning more about Electrical Engineering, I participated in a quarterly project involving front-end web development with 4 fellow engineering students from October 2020 to December 2020.

Patrick Henry High School, San Diego, CA

Architecture Construction Engineering Mentor Program

Aug. 2016 - June 2020

- President/Co-head of Web Design

- In addition to overseeing all of the teams in this club, I also coordinated with mentors in the engineering, architecture, and construction industry so they could mentor us in our yearly project. I also created and regularly update the club's website.

Leadership Club

Sep. 2019 - June 2020

- President, Founder, Co-Head of Web Development

- As the President of this club, I oversaw all of the committees and organized meetings. I was also one of the Co-Heads of Web Development, and created the website.

VOLUNTEERING

UCSD CS Foreach , La Jolla, CA	<i>Oct. 2020 - Present</i>
• Member (October 2020 - Present)	
March for Our Lives San Diego , San Diego, CA	<i>Jan. 2019 – Present</i>
• Head of Web Development (July 2020 - Present)	
○ I created a website for this organization using HTML, JavaScript, and CSS. After we migrated to Wix, I was assigned the task of regularly updating the website.	
Circle of Friends – The Path to Inclusion , San Diego, CA	<i>Aug. 2016 – June 2018</i>
• Member	
○ In this social inclusion program, I'd converse and eat lunch 1-2 times / week with students with developmental disabilities.	
Team Enough Central San Diego , San Diego, CA	<i>Mar. 2019 - Present</i>
• Head of Web Development (Sep. 2019 - Present)	
○ As the Head of Web Development, I have the task of regularly updating this organization's Square Space website.	

RELEVANT COURSEWORK

- Principles of Information Systems
- Introduction to Electrical and Computer Engineering
- Engineering Computation
- Introduction to Digital Design
- Rapid Hardware & Software Design
- Object-Oriented Programming (Planned SP21)

REFERENCES

- George Youssef, Ph.D., P.E. - Associate Prof. of Mechanical Eng. at SDSU; Principal Investigator of Experimental Mechanics Lab**
- Contact: gyoussef@sdsu.edu
- Ali Karbassi – RF/Microwave Design Engineer at Northrop Grumman**
- Contact: ali.karbassi@ngc.com
- Philip Ballo, MLIS., M.S. – Programming Instructor at University of California, San Diego Extension**
- Contact: pballo@ucsd.edu

HONORS AND DISTINCTIONS

- UCSD Provost Honors, *Fall 2020*
- Student of Distinction / Student Spotlight, *UCSD Extension*, July 2020
- AP Scholar, *College Board*, July 2020
- Achieved Honor Roll, *Patrick Henry High School*, 2017-2020
- Recipient of the Scholarship for Electrical Engineering, *ACE Mentor Program*, May 2019/May 2020
- CREATE Summer Camp Scholarship, *ACE Mentor Program*, May 2019
- 3rd Place, *Greater San Diego Science and Engineering Fair*, March 2016
- 2nd Place, *Greater San Diego Science and Engineering Fair*, March 2015