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 I can contribute to.

EDUCATION

University of California, San Diego, Bachelor's of Science Degree
- *Electrical Engineering B.S. (Fall 2020 - Spring 2023)*

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), Engineering Academy, 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, JavaScript, PHP (beginner), MATLAB (holds MATLAB OnRamp certification from MathWorks), OpenCV (beginner), C++, Java (beginner), Arduino-C, Swift, Verilog (beginner), and ARM (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 *Oct. 2020 - Present*
- **Member** (October 2020 - Present)

March for Our Lives San Diego, San Diego, CA *Jan. 2019 – April 2021*
- **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.

Team Enough Central San Diego, San Diego, CA *Mar. 2019 – April 2021*
- **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.

Circle of Friends – The Path to Inclusion, San Diego, CA *Aug. 2016 – June 2018*
- **Member**
  - In this social inclusion program, I'd converse and eat lunch 1-2 times / week with students with developmental disabilities.

RELEVANT COURSEWORK

- CISC 181: Principles of Information Systems
- ECE 5: Introduction to Electrical and Computer Engineering
- ECE 15: Engineering Computation
- ECE 25: Introduction to Digital Design
- ECE 16: Rapid Hardware & Software Design
- ECE 17: Object-Oriented Programming (Current)
- ECE 30: Introduction to Computer Engineering (Current)

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