

# Yusuf Morsi

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## OBJECTIVE

Highly focused and hard-working student with experience in engineering, programming, research, and project management 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. (Oct. 2020 - June 2024); GPA: 3.57*
- *Organizations: ECE Alumni Mentorship Program, IEEE, ECE Student Council, CS Foreach*

### Patrick Henry High School (San Diego, California), Engineering Academy, High School Diploma

- *High School Diploma (Aug. 2016- June 2020); GPA: 4.27; Graduated with Academic Distinction and Honors*

## CERTIFICATIONS

### University of California, San Diego Extension, Certification Program

- *Android Programming Program Certification (Sep. 2021 - June 2022)*
- *Business Management Program Certification (Oct. 2020 - May 2021)*
- *Front-End Web Development Program Certification (Jan. 2020 - Sep. 2020)*
- *iOS Programming Program Certification (Jan. 2019 - May 2019)*

### International Business Management Institute, Certification Program

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

## INTERNSHIPS / RESEARCH

**Undergraduate Researcher**, SDSU Advanced Materials Processing Laboratory

*August 2021 – Present*

**Undergraduate Researcher**, UCSD Ubiquitous Data Computing Lab

*April 2021 – Present*

**Researcher**, Young Engineer Experience, SDSU Experimental Mechanics Laboratory

*June 2019 - July 2019*

## WORK EXPERIENCE

**Mathematics Instructor**, Mathnasium

*May 2021 – Present*

**Computer Product Tester**, KLIM Technologies

*June 2017 – Present*

## SPECIAL SKILLS

- Speaks Arabic at professional working proficiency
- Experience with:
  - 3D Printing, Python, C, C++, Swift, Front-End Programming, and MATLAB (holds certification from MathWorks)
  - Autodesk Inventor, Autodesk Revit, Solidworks, Multisim, Eagle, Vivado, Fritzing, and Microsoft Office
  - Has held certification in **Cybersecurity for Critical Urban Infrastructure** from MIT (via edX) since July 2020
- Received **Adult and Pediatric First Aid/CPR/AED Certification** from American Red Cross in Aug. 2020 (expires in Aug. 2022)

## RELEVANT COURSEWORK

- AP Computer Science Principles
- **CISC 181**: Principles of Information Systems
- **CSE 41147, CSE 41448**: iOS Programming I and II
- **CSE 90027, CSE 90024, CSE 90025**: Introduction to Front-End Technologies, HTML & CSS, HTML & JavaScript
- **CSE 90059, CSE 90060, CSE 90061**: Android Java Fundamentals, Android Programming I and II (**Fall 2021 – Spring 2022**)
- **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 30**: Introduction to Computer Engineering
- **ECE 35**: Introduction to Analog Design (**Planned: Winter 2022**)
- **ECE 45**: Circuits and Systems (**Planned: Spring 2022**)
- **ECE 65**: Components and Circuits Laboratory (**Planned: Spring 2022**)

## REFERENCES

**George Youssef, Ph.D., P.E.** - Associate Prof. of Mechanical Eng. at SDSU; Principal Investigator of Experimental Mechanics Lab

- Contact: [gyoussef@sdsu.edu](mailto:gyoussef@sdsu.edu)

**Ali Karbassi – RF/Microwave Design Engineer** at Northrop Grumman

- Contact: [ali.karbassi@ngc.com](mailto:ali.karbassi@ngc.com)

**Philip Ballo, MLIS., M.S.** – Programming Instructor at University of California, San Diego Extension

- Contact: [pballo@ucsd.edu](mailto:pballo@ucsd.edu)