

# ADHAM KHALIFA

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## EDUCATION

**Connecticut College**, New London, CT

BA expected May 2023

**Major:** Computer Science

Cumulative GPA 3.25

**Language Skills:** English (professional), Arabic (native), French (basic)

**Relevant Courses:** Data Structures • Topics in Software Development • Computer Organization • Robotics & Problem-solving • Linear Algebra

**Mustafa Samir Badawi School (MSB)**, Kafr El-Sheikh, Egypt

Graduated July 2019

## SKILLS SUMMARY

C/C++ • Java • OpenCV • HTML5/CSS3 • JavaScript • Bootstrap  
Angular • React • Research • Problem-solving • Leadership

## RELEVANT ACADEMIC EXPERIENCE

**Topics in Software Development**, Computer Science Department, Connecticut College

Spring 2020

*Student Programmer* • Programmed a new landing and searching page for the Beau Biden foundation.

- Enhanced their backend side and blogpost options.
- Improved their website's UI and made it more accessible for visually impaired individuals.

## CO-CURRICULAR EXPERIENCE

**Robotics Club**, Connecticut College

Spring 2020-present

*Programmer*

- Contributed to building a robot car.
- Programmed our robot to find the shortest route to a certain point.

## ACADEMIC RESEARCH

**Smart ALS Assist**, Independent, MSB

Fall 2016-Spring 2018

*"A new assistive technology to help people with severe motor disabilities use the computer"*

*Student Researcher*

- Conducted experiments to find out the best available options to help them.
- Designed a wearable prototype that can track the patient's eyes, lips, and cheeks movements.
- Programmed the functions to run this prototype.
- Awarded the 7<sup>th</sup> place out of 300+ contestants on Blastoff Science & Engineering fair.

## PROJECTS

**E-learning platform**, MSB

Fall 2017

*Student Programmer*

- Implemented an E-learning portal for high school to help teachers upload HW assignments online.
- Boosted class students access to these assignments.

**Smart Home Application**, MSB

Fall 2017

*Student Programmer*

- Programmed a Windows application that controls my room light and door using my hand gestures.
- For example, counting one on my hand turns off the light, counting two closes the door, etc.

## LEADERSHIP EXPERIENCE

**Hack Club**, MSB

Fall 2018-present

*Chapter Founder*

- Independently launched the first Hack Club in Egypt.
- Mentored the Egyptian Hack Club community in 4 high schools.
- Memberships are now over 30.

**HackerEarth Hub**, Connecticut College

Spring 2020-present

*Founder&Chairman*

- Launched our college's first competitive programming club powered by HackerEarth.
- Organized our first online hackathon.