ADHAM KHALIFA
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EDUCATION

Connecticut College,	New London, CT	BA expected May 2023
Major:	Computer Science	Cumulative GPA 3.519
Language Skills:	English (professional), Arabic (native), French (basic)	
Relevant Courses:	Data Structures, Algorithms, Computer Vision, Topics in Software Development, Computer Organization, Robotics & Problem-solving, Web Development, Networks, Entertainment Software Design, Cybersecurity	
Mustafa Samir Badawi School (MSB), Kafr El-Sheikh, Egypt		Graduated July 2019

SKILLS SUMMARY

Java, C/C++, Python, Node.js, React, Django, Javascript, HTML5/CSS3, Bootstrap, PHP/MySQL, WordPress
Operating systems: Windows, Linux (Ubuntu), Mac OS.

RELEVANT ACADEMIC EXPERIENCE

Topics in Software Development, Computer Science Department, Connecticut College   Spring 2020
Student Programmer • Programmed a new landing page for the Beau Biden Foundation targeting 26,000+ users.
   • Enhanced their backend and blogpost options.
   • Improved their website's UI and made it more accessible for visually impaired individuals.

CO-CURRICULAR EXPERIENCE

Robotics Club, Connecticut College   Feb 2020-present
Program Coordinator • Contributed to building a robot car by designing its sensor connections to the microcontroller.
   • Programmed our robot to find the shortest route to a certain point using C language.

ACADEMIC RESEARCH

Summer research, Connecticut College   Summer 2020
"A program to automate the process of assigning classes to classrooms during the pandemic"
Student Researcher • Researched the best algorithms to assign courses to rooms according to each's maximum capacity.
   • Wrote the last version of code in Python and made the program user-friendly for registrar staff.
   • Saved the registrar weeks of working to finish schedules for 2,000+ students.

Smart ALS Assist, Independent, MSB   Oct 2016-Feb 2018
"A new assistive technology to help people with severe motor disabilities use the computer"
Student Researcher • Researched the best solutions and programmed them using C/C++.
   • Designed a wearable prototype that can track the patient's eyes, lips, and cheeks movements.
   • Awarded the 7th place out of 300+ contestants at Blastoff Science & Engineering Fair in Cairo.

PROJECTS

Smart Home Application, Independent, MSB   Nov 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.

Personal Website, adhamkhalifa.com   August 2020
Student Programmer • Developed and designed my personal website from scratch using Node.js and Bootstrap.

SSH Keys Website, Yale Center for Research Computing   June 2021-Dec 2021
SWE Intern   • Developed and designed a new website for the SSH keys uploader using Django and Bootstrap.

LEADERSHIP EXPERIENCE

Hack Club, MSB   Oct 2018-present
Chapter Founder   • Independently launched the first Hack Club in Egypt.
   • Mentored the Egyptian Hack Club community in 6 high schools and over 70 memberships.