

# Mohammad Abbas

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## PERSONAL WEBSITE

### EDUCATION

#### Middlebury College

*Candidate for Bachelor of Arts, Majoring in Computer Science*

**GPA:** 3.33/4.00

**Relevant Coursework:** Data Structures, Introduction to Data Science, Introduction to Computing

**Language Skills:** Fluent in Arabic

**Technical Skills:** Python, Java, R, Microsoft tools, Adobe tools, iMovie, Google Suite

Middlebury, VT

May 2026

#### Nazareth Secondary High School

**GPA:** 97.41%; Top 1 of graduating class; Top 1 of UNRWA Schools, Honors

Tripoli, Lebanon

May 2022

**Activities:** Student Government President; National Student Council President; DLTM, Soccer; Basketball

### EXPERIENCE

#### Stockroom Attendant

*Student member*

Middlebury, VT

Feb 2023 - Present

- Maintained the lab facilities in stock by regularly checking inventory and orders to ensure constant supplies.
- Support EH&S training and outreach initiatives to promote STEM on campus.
- Manage lab cleanouts, chemical inventories, and first aid kits to ensure users' safety.

#### ITS Service Requests Assistant

*Student member*

Middlebury, VT

Sep 2022 - Present

- Address technical issues with software, hardware, networks, and malicious software of students, faculty, and staff.
- Providing technical support to students, faculty, and staff through phone, email, and in-person communication.
- Repairing laptops and Macs by replacing damaged components to restore them to a like-new condition.

#### Digital and Learning Inquiry (DLINQ)

*Intern*

Middlebury, VT

May 2023- Present

- Designed posters to educate visitors about Davis Library and the roles of each space.
- Created Python coding projects that helped the students to draw graphs without knowing how to code.

#### Team4Tech Intern

*Intern*

Middlebury, VT

May 2023- Present

- Worked with Team4Tech, a nonprofit impact accelerator, and supported the African SOUP and the SOUL Foundation.
- Collaborated with a team to develop an ICT curriculum to tutor over 1k students on the basic understanding and usage of the Microsoft Office Suite.

### Projects

#### Gene Finding Algorithm

- Python gene-finding algorithm to identify potential genes in DNA sequences using open reading frames (ORF).
- Functions that detect start and stop codons, extract ORFs, and analyze both forward and reverse reading.

#### Memory Game

- A card game in which the players have to match 16 cards in pairs with each other.
- Counts how many guesses the player made and in how many seconds.

#### Tesla Vs Ferrari Data Analysis

- Analyze the share prices of Ferrari and Tesla from 2015 to 2023.
- Using R language, analyzed the open, closed, highest, and lowest prices of each day respectively.

#### JARVIS

- Develop a conversational bot in Python capable of interacting with users and addressing their inquiries.
- Integrate OpenAI for response generation and employ text-to-speech technology for auditory output.