

# TALA YOUNES

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## EDUCATION

**Third Year Computer Science Student-American University Of Beirut(AUB)**

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## WORK EXPERIENCE

**August 2024**

**Teaching Assistant, CMPS 207: Programming for Digital Art, AUB**

- Provided lab support and tutored students on web design (HTML5, CSS3) and data analysis using Python.
- Assisted with assignments and projects, helping students integrate data visualizations into HTML pages.

**Teaching Assistant, CMPS 209: Computers and Programming for the Sciences, AUB**

**August 2024**

- Offered lab support and tutoring for assignments and projects related to spreadsheet design, relational databases, and Visual Basic programming.
  - Assisted students in understanding networking fundamentals and applying computer skills in science-related contexts.
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## RELEVANT COURSEWORK

- **Data Structures:** Designed and implemented lists, stacks, queues, binary search trees, AVL trees, heaps, and hash tables.
  - **Algorithms:** Analyzed algorithm complexities and applied algorithms such as BFS, DFS, heap sort, and advanced techniques like dynamic programming and graph algorithms.
  - **Advanced Data Structures:** Worked with red-black trees, Fibonacci heaps, binomial heaps, and suffix trees.
  - **Mathematical Foundations:** Applied logic, proofs, sets, sequences, functions, and recurrence relations.
  - **Computer Architecture:** Gained knowledge of processor design, digital logic, memory organization, pipelining, and cache design.
  - **Software Development:** Built software systems using object-oriented design, design patterns, testing, version control, and concurrency techniques.
  - Developed a Battleship game in C with player modes, array-based board representation, and efficient hit/miss detection algorithms
  - Developed a full on working medical healthcare website
  - Developed a working restaurant database
  - Developed a sentiment analysis (machine learning) project
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## SUMMARY SKILLS

- **TECHNICAL** Java,C,C++ ,Python,SQL
  - **LANGUAGES** Arabic (Fluent), English (Fluent), and French (A2)
  - **SOFT SKILLS** Curiosity, Adaptability, Detail oriented, Communication, Pressure handling, Problem solving, Teamwork, Creativity
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## EXTRA CURRICULAR ACTIVITIES

- Certificate in Model Good Governance – Lebanese American University (LAU), part of the MUN program.
- Winner of Speech Contests – English poetry contest by Jawdat Haydar and Arabic speech contest at school.
- Volunteer – Active member of the Eco Club, involved in various social helping activities.