# Zeinab Tofaili

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## Education

**BS In Computer Science | Minor in Mathematics**

**Lebanese American University – LAU**                                   **2020 - 2023**

Enrolled on a full merit Higher Education Scholarship (HES) funded by USAID

Cumulative GPA: 3.93 out of 4

Honors: Placed several times on LAU's Distinction List

## Experience

**Front-End Web Development Intern at TecFrac**                 **May 2022 - June 2022**

- Completed 200 hours of training on Web Development with Vue 3.
- Designed and implemented a website using Vue 3 for creating and organizing tickets for the user.
- Optimized the website for maximum speed and scalability.
- Collaborated with back-end developers to integrate APIs and add functionality to the website.
- Developed cross-browser HTML5, CSS and JavaScript to match design specs for complex page layouts while adhering to code standards

## Academic Projects

**Conversational Agent called Brainy**                                         **Spring 2022**

Using Natural Language Processing techniques, I developed in Python a conversational agent that can exchange greetings and answer questions about Covid-19. The user can communicate with Brainy using text or speech. The agent can be found here

**Virtual Learning Assistant (VLA)**                                           **Spring 2022**

Built using JAVA Swing a VLA that facilitates the learning process for students and instructors.

A detailed report of this project can be found here.

**Database For an Amusement Park**                                           **Fall 2021**

Designed and built a database for an amusement park. A detailed report of this project can be found here.

**Reduced Instruction Set Computer (RISC) microprocessor**                   **Spring 2021**

Designed and simulated in Java a Reduced Instruction Set Computer (RISC) microprocessor.

The processor supported addition, subtraction, loading and storing instructions

## SKILLS

**Tools and Technologies:** Java, C, JavaScript, Python, SQL, HTML, CSS, Linux, Vue 3 JS, Git

**Languages:** Full Proficiency in Arabic and English; Elementary Proficiency in German

**Soft Skills:** Time Management, Problem Solving, Teamwork, Communication, Leadership, Project Management

## EXTRACURRICULAR EXPERIENCE

**Workshops and Training**

- Certificate of attendance in **The Data Science and AI Day** - IEEE Women in Engineering and Beirut AI   **Feb. 2022**
- Certificate of attendance in **AI and Computer Vision** - LAU AI club and Microsoft Learn                 **Feb. 2021**
- Program completion certificate of a guide to programming and mathematics in the wolfram language **May 2022**

**Volunteering Experience**

- Volunteer Mathematics Teacher at MMKN NGO                              November 2020 – Present
- Volunteer at FoodBlessed NGO                                            October 2020 - Present
- Volunteer at Orphan Welfare Society                                     September 2020 - Present