# Bareaa Joudi

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## SUMMARY

Aspiring Java developer pursuing a double major in Computer Science and Business at the American University of Beirut. Proficient in Java, Python, and MATLAB, with hands-on experience in environmental modeling research at Columbia University.

## EDUCATION

**American Univeristy of Beirut**                                                       **Beirut,Lebanon**

**Computer Science and Business Administration Double Major**          **Aug 2023-June 2027**
- Finance Concentration

## WORK EXPERIENCE

**Research: Environmental Modeling at Columbia University**               **Dec 2024- present**

- Remote Research opportunity in which I use Python, MATLAB and finite difference method to solve numerical equations. Apply data assimilation techniques to vegetation models, using observational data and Bayesian statistics. Team: Mazen Nakad. Conducted through Kaffi.

**Research Volunteer: Funding Grants Write-up for Computer Science**          **2024- present**

- In this project we seek to explore funding grant opportunities and develop two proposals around the use of Large Language Models in Social Sciences and Relief Operations for displaced communities.

**Rusted Radishes Administrative Assistance Intern**                      **Sept 2024 -present**
- Managing all incoming emails to Rusted Radishes Google accounts. As well as Organizing web submissions and handling points of sales (POS), including database management, sales revenue collection, and journal distribution. Issuing consignments and invoices. Assisting with the preparation and distribution of the newsletter. Additionally, Supporting the events team with various tasks

**Outlook newspaper: Staff writer**                                          **Dec 2023-present**
- Contributing as a staff writer for Outlook, an independent student newspaper, producing a minimum of two articles monthly for the "Books and Literature", "Local News" and "Activism" subsections.

**Private Legal Translation Assistance**                                           **2021-2023**
- Translated legal documents from English to Arabic and vice versa. Such Legal documents include but are not limited to Articles of Association (AOA), Memorandum of Agreement (MOA), Memorandum of Understanding (MOU), Non-disclosure Agreements (NDA), Advising and Arrangement agreements, Distribution agreements, commercial agreements, Joint Venture Agreement, retail agreements, Support services contracts and Legal services contracts for International and Local (Saudi Arabia, Bahrain, Kuwait) companies.

## VOLUNTEER WORK

Philosophy Journal 2025
    Launching a Philosophy Journal under AUB's Philosophy Department
Computer Science Student Society's Associate Event Manager 2024-2025
English Student Society Treasurer 2024-2025
Philosophy Student Society Secretary 2024-2025
Dead Poets Society Treasurer 2024-2025
Haven Volunteer 2023-2024
    Volunteered at Haven for AUB's Children's Cancer Center

American University of Beirut of Title IX member    2023-present
OSB Review: Human Resources

## LANGUAGES

**English** (Fluent).Arabic(Fluent).German(A2). **French** (Beginner).

## ADDITIONAL INFORMATION

**Programming Languages:** Java, Python, C, C++, HTML, CSS, JavaScript
Proficiency AutoCAD, QGIS, Agisoft
Extensive experience with MATLAB, R and LaTeX