Adnan Jaljuli

aaj35@mail.aub.edu • +962-795729902 • linkedin.com/in/adnan-jaljuli

EDUCATION	

American University of Beirut — Lebanon
BSc in Computer Science — Aug '18 – Dec '21
Dean's Honor List (4 semesters)
GPA: 4.0

WORK EXPERIENCE

Maqsam — Jordan
Machine Learning Engineer — Mar '23 – Present
- Built an efficient and scalable infrastructure to host different synchronous and asynchronous machine learning services, such as LLM inference.
- Led the research, design, and development of a conversational AI data analyst chatbot for Maqsam's users which was demoed at LEAP '24.
- Mentored two interns, providing guidance on their project development and conducting code reviews, leading to the successful completion of their projects.

King Abdullah University of Science and Technology — Saudi Arabia
Research Assistant — Jan '22 – Feb '23
Advisors: Dr. Izzat El Hajj & Dr. George Turkiyyah
- Conducted a research project that aimed at building bottom-up hierarchical matrices and accelerating hierarchical matrix-matrix multiplication on GPUs using CUDA.

VOLUNTEERING

Codability — Jordan
Course Instructor — Jul '19 – Aug '19 & Aug '22 – Sep '22
- Led a team of 4 volunteers to train school students in an introductory course about problem-solving using C++.
- Developed and planned the course syllabus in a way that engages students and promotes their critical thinking skills.

REFEREED PUBLICATIONS

Parallel Vertex Cover Algorithms on GPUs
P. Yamout, K. Barada, A. Jaljuli, A. Mouawad, I. El Hajj
IPDPS '22 (1st round acceptance rate: 46/474 = 9.7%)
- Developed a hybrid tree traversal approach that utilizes a global worklist and local thread block stacks to mitigate the issues of load imbalance.
- Achieved a significant speed-up over previously published work, and an average speed-up of 39.0x when compared to our sequential algorithm.

AWARDS

High Distinction — Jun '22
Graduated with the highest academic award granted by AUB.

Best Undergraduate Researcher — Jun '21
Awarded by the Henri Naccache Computer Science Student Development Fund.

MEPI Tomorrow's Leaders — Aug '18
Received a full scholarship to study my BSc at AUB.

TECHNOLOGIES

CUDA • Python • GCP • C/C++ • Ruby on Rails • VueJS • NodeJS • Git • Linux