

Adnan Jaljuli

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RESEARCH INTERESTS	High Performance Computing • Scientific Computing • Graph and Complexity Theory • Machine Learning • Algorithms and Data Structures	
EDUCATION	American University of Beirut BSc in Computer Science GPA: 4.0	Lebanon Aug '18 – Dec '21
WORK EXPERIENCE	Maqsam Machine Learning Engineer	Jordan Mar '23 – Present
	<ul style="list-style-type: none">• Initiated biweekly paper review sessions, aiming at keeping the team aware of developments in machine learning literature, and enhancing the team's academic expertise.• Designed and developed a web app from scratch that offers Maqsam's ASR API endpoints to developers using Ruby on Rails and VueJS.• Led the research, design and development of a conversational AI data analyst for Maqsam's users that got demoed at LEAP '24.	
	King Abdullah University of Science and Technology Research Assistant Intern Advisors: Dr. Izzat El Hajj & Dr. George Turkiyyah	Saudi Arabia Jan '22 – Feb '23
	<ul style="list-style-type: none">• Conducted a research project that aims at building bottom-up hierarchical matrices and accelerating hierarchical matrix-matrix multiplication on GPUs using CUDA.	
VOLUNTEERING	Codability Course Instructor	Jordan Jul' 19 – Aug '19 & Aug '22 – Sep '22
	<ul style="list-style-type: none">• 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 (1 st round acceptance rate: 46/474 = 9.7%)	
	<ul style="list-style-type: none">• 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 speedup over previously published work, and an average speed up of 39.0x when compared to our sequential algorithm.	
AWARDS	High Distinction Graduated with the highest academic award granted by AUB.	Jun '22
	Best Undergraduate Researcher Awarded by the Henri Naccache Computer Science Student Development Fund.	Jun '21

Dean's Honor List

Received this award for 4 semesters.

MEPI Tomorrow's Leaders

Aug '18

Received a full scholarship to study my BSc at AUB.

TECHNOLOGIES

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