

EDUCATION

- **University of Utah** SLC, UT
Master of Science in Computer Science; GPA: 3.9 *Jan. 2022 – Present*
- **American University of Beirut** Beirut, Lebanon
BSc in Computer Science & Minor in Economics; GPA: 3.7 (with distinction) *Jan. 2019 – June 2021*

EXPERIENCE

- **University of Utah** SLC, UT
Research Assistant *July 2022 - Present*
 - Contributed to OrderSage, a new tool that measures the statistical relevance of ordering tests in experiments
 - Reviewed relevant papers and artifacts of OSDI and EuroSys for performance measurement
 - Ran tests to detect variance in cloud environments
- *Summer Internship* *May 2022 - July 2022*
 - Created customizable code for cache-coherent accelerators for persistent memory crash-consistency using Rusts conditional compilation
- *Teaching Assistant* *Jan 2022 - May 2022*
 - Prepared and delivered labs to senior undergraduate students on computer systems
 - Held regularly scheduled office hours to assist students
- **ACM EuroSys'2023** Rome, Italy
Shadow Program Committee - Volunteer *Oct 2022 - Present*
 - Reviewed Papers relating to consensus, BFT, replication, linearizability, VMs, FaaS
 - Discussed paper with fellow researchers in the committee reaching an accept/reject decision
- **Maids.cc** Dubai, UAE
Data Analyst *Oct 2021 - Dec 2021*
 - Analyzed success metrics of newly automated operations Reviewed user data for po
- **Wein Catering** Beirut, Lebanon
Founder *April 2014 - Dec 2016*
 - Initiated a catering business, acquiring bids to operate kitchen and cafeterias in camping retreats

PROJECTS & PUBLICATIONS

- **Avoiding the Ordering Trap in Systems Performance Measurement - *Under Review***: Devise a methodology for studying the effects of ordering on performance experiments, including statistical tests for order dependence
- **Raft**: Implemented a distributed systems consensus algorithm using GoLang based on MITs 6.824
- **MapReduce**: Implemented MapReduce, a big data programming model using GoLang
- **Recommendation System**: Compared collaborative and content-based recommender systems we built using Goodreads public books dataset
- **Bitcoin Predictor**: Created a machine learning (LSTM) model to forecast crypto currencies prices after creating a dataset by scraping related tweets for sentiment analysis and collecting influential determinants
- **GPU Optimization**: Parallelized and optimized Needleman-Wunsch algorithm via CUDA (x100 speedup)
- **On the Swap Distance Between Graphs**: Researched a more efficient algorithm for a graphs transformation problem, curated relevant literature work, and proved a list of statements relevant to the problem

AWARDS

- Computer Science Alumni Chapter Endowed Scholarship
- Boodai Endowed Scholarship Fund
- 11th in Lebanese Collegiate Programming Competition (LCPC)
- 2nd Runner Up at Startup Weekend environmental Edition by Techstars