

# Elie ALKAREH

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## EDUCATION

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- Sep. '18 – Dec. '19 **American University of Beirut (AUB), Lebanon**  
ME in Civil & Environmental Engineering; GPA: 3.5/4
- 1 of 8 projects funded by Global Compact Network Lebanon for the advancement of the UN's 2030 sustainable development agenda
  - 1 of 2 graduate level projects selected by AUB to be represented in the Lafarge Holcim 6th Forum for Sustainable Construction in Cairo, Egypt
- Sep. '13 – Jun. '17 **American University of Beirut(AUB), Lebanon**  
BE in Civil & Environmental Engineering; GPA: 3.6/4
- Sep. '98 – Jun. '13 **Collège St. Joseph, Aintoura, Lebanon**  
Lebanese Baccalaureate – Life Sciences

## PROFESSIONAL EXPERIENCE

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- Sep '18 – Present **Eedama, Sustainability Trainer, Beirut, Lebanon**
- Provide tailor made trainings to schools and companies on sustainability and social justice in Lebanon via field trips and workshops.
  - Developed new earth building workshop to advance sustainable construction
- Oct '18 – Dec '18 **Consulting Group Company (CGC), Geotechnical Engineer, Beirut, Lebanon**
- Conducted design of road bracing systems and geogrid walls
  - Simultaneously led 2 geogrid construction teams on 2 different sites
  - Coordinated logistics including equipment, procurement and owner representative requests
  - Created a detailed budget for operations including costs and client billing
- Jul. '17 – Aug. '18 **AUB - Full Time Research Assistant, Lebanon**  
**Rammed Earth Technology Research and Development**
- Managed design and construction of rammed earth test walls
  - Responsible of all lab tests for proper assessment of materials & mix design
  - Lead all correspondences and meetings between the client, architects and faculty
  - Produced a draft guidebook for future earth construction initiatives in Lebanon
- Hemp Fiber Cover Effect on Concrete Thermal Conductivity**
- Designed and built a thermal conductivity measurement setup to meet budget, time and technical constraints.
  - Conducted testing and interpret results
- Jul. '16 – Aug. '16 **Khatib & Alami - Intern, Beirut, Lebanon**
- Gained an insight on the structural, bridges and environmental departments
- Jan. '10 – Present **Private Tutoring – All subjects**
- Tutored school and university students various subjects to accelerate their learning process in a concise and efficient manner

## EXTRACURRICULAR ACTIVITIES

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- Sep. '14 – Present **Lebanese Red Cross - Emergency Medical Technician, Driver, Team Leader, Baabda, Lebanon**
- Led and been part of various missions where quick decision making made life changing impacts
  - Introduced new setups and systems to the station as head of the IT and Telecom committee
  - Organized the first and second annual gala dinners of the station raising \$40,000 from invitees and sponsors
  - Recruited members from schools and universities as part of the station's recruitment campaign

## RELEVANT INNOVATIONS AND CERTIFICATES

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- Feb. '19 **LEED Green Associate (LEED GA)**  
Awarded for demonstrating knowledge and understanding of green building practices and principles
- May. '17 **Albedo**  
Developed a new and innovative passive cooling system that bio-mimics the Silver Saharan Ant's hairs

## SKILLS AND INTERESTS

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- Languages** Fluent in Arabic, French and English (Writing, Reading and Speaking)
- Interests** Music, reading, skiing, scuba diving, swimming, hiking, wall climbing...