

Reem A. JABER

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Academic Qualifications

Virginia Tech

- Doctor of Philosophy-Geotechnical Eng.

August 2018-current

American University of Beirut

- Master of Engineering - Civil and Environmental Eng.

Grad. Date: April 2018

American University of Beirut

- Bachelor of Engineering - Civil and Environmental Eng.

Grad. Date: May 2016

Al Amilieh High School, Beirut

- Lebanese Baccalaureate in “General Science” with distinction

Grad. Date: June 2012

Research Experience

American University of Beirut

- Research Assistant

Worked on studying the importance of lower-bound shear strength in the reliability of spatially random clayey slopes using slope 2D software to run Monte Carlo Simulations.

Sep. 2015 - May 2016

American University of Beirut

- Lab Assistant at Materials Lab

Conducted sieving, batching and testing of pavement samples.

Jan. 2013 - June 2014

American University of Beirut

- Final Year Project

An experimental setup was developed to study the effect of heat transfer on the load-response of model geothermal piles operating in cooling mode in clayey soil. And a case study was modeled in PileSim2 software to estimate the amount of geothermal energy utilized and to further analyze the geothermal system financially and environmentally.

Sep. 2015 - June 2016

Practical Experience

ACTS

- Laboratory/Materials Engineer

Supervised soil testing in ACTS Beirut branch, prepared soil reports and contacted clients.

Feb. 2018-July 2018

BATCO Group

- Intern Civil Engineer

Followed up with all the project stages from bidding and tendering phases until completion.

Got exposed to following departments: Tendering, planning, operations, cost control, and QA/QC.

July 2015 - Sep. 2015

Skills

- **Computer skills:** AutoCAD, AutoCAD Civil Land Desktop 3D, MATLAB, SAP, SAFE, E-tabs, EPANET, HEC-HMS, C++, FLAC, Slope 2D, EERA, Labview, Microsoft Office Suit.
- **Soft skills:** Highly motivated, hardworking, permanently thriving to learn, positive attitude, and always taking initiative. Engineering management, leadership, and public speaking skills.
- **Languages:** Fluent in English and Arabic.

Interests and Activities

- Participated in designing water and waste water network with adequate treatment plant for “Ain el Kharroube” village using Epanet and sewer CAD.
- Volunteered at Civil Engineering Society (CES) since 2012 and participated in four camps. Contributed in constructing the basis of precast room, creating methods for vertical planting, designing garden structure, and helping Syrian refugees’ compounds.
- Joined the Excellence Camp for girls in Jordan as one of the four Lebanese students chosen to participate. (June 2011)
- Delegate and team leader of school representative team at the Model United Nations (MUN) that took place at LAU. (April 2011)
- Ushering and guiding new AUB students.

Professional Memberships

- Outreach coordinator at Geotechnical Student Organization (GSO) at Virginia Tech since 2018
- Member of American Society of Civil Engineers (ASCE) since 2013
- Member of Civil Engineering Society (CES) since 2012