



Ali Haidar

Nationality: Lebanese, Birth date: May 21,1997, Family situation: single

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EDUCATION

- **Ecole Centrale de Lyon** **10/2020 to present** - Lyon, France
 - **Ph.D. Student** in Civil Engineering
 - **CIFRE contract with ITASCA CONSULTANTS SAS** on a subject commissioned by the stake holder “Electricité de France” (EDF).
 - **Subject:** Seismic behavior of rockfill dams with a dry stone rip-rap: a mixed DEM-FEM modeling.

- **Grenoble INP-ense³ (5th year (Master 2) as a double degree student)** **09/2019 to 07/2020** - Grenoble, France
 - Finished my Master 2(Bac +5) in “Hydraulics and Civil Engineering”
 - Semester 1 Average: **15.925/20 (Ranked 3rd /37)**
 - Semester 2(FYP) Average: **14/20** } Total M2 Average: **14.96/20**

- **Lebanese University, Faculty of Engineering, Branch 3** **09/2015 to 09/2020** - Beirut, Lebanon
 - Master in Civil Engineering (Total Rank: **1st/58**; Average: **84.035/100**)
 - **Ranked 1st≈3000** in Entrance exam to the Faculty of Engineering (Score: **213/240**)

- **Al Qualaa Secondary School** **09/2012 to 06/2015** - Saida, Lebanon
 - Lebanese Baccalaureate: General Sciences (**Ranked 2nd** in South Lebanon (Score: **508/570**))

PROFESSIONAL EXPERIENCE

- **R&D Junior Civil Engineer at ITASCA CONSULTANTS SAS** **10/2020 to present** - Lyon, France
 - *3 years Employment contract for my Ph.D. Studies.*

- **Master 2 Intern at INRAE (ex-IRSTEA) (G2DR- RECOVER research unit)** **02/2020 to 07/2020** - Aix-Provence, France
 - **Subject:** Shape influence in the direct shear behavior of coarse materials; **Supervisor:** Dr. Jerome DURIEZ
 - Learned **Discrete Element Method** and applied it by doing simulations on YADE DEM software.
 - 3D Scanning of Basalt coarse gravel by ‘HP 3D scanner Pro’ and then importing their real shape into YADE.
 - Numerical DEM YADE simulations to study the real direct shear behavior of coarse granular materials.
 - Shear Box Experiments of the Basalt coarse gravel and then compared with the numerical results.

- **Intern in Geotechnical Department at “DAR AL HANDASAH” Company** **07/2019 to 08/2019** - Beirut, Lebanon
 - Design of retaining walls, shallow and deep foundations by hand calculations and software (Settle 3D, Plaxis 2D)
 - Prepared Reports and PowerPoint presentations about different codes and different approaches (ASD-LRFD)
 - Saw geotechnical tests on the site (SPT, Pressuremeter...)

- **Site Engineer Intern (307 hrs.) at “EBCO (BITAR)” Company** **07/2018 to 09/2018** - Beirut, Lebanon
“Pearl 1161” Tower Project
 - Supervision of construction work in addition to preparation of shop drawings and implementing them on site.

ACADEMIC PROJECTS

- **Dynamic analysis** of soil layers, **Earth dam** and building on PLAXIS and slope stability analysis **(2019-2020(M2))**
- Design of Choring systems, Retaining walls and foundations on PLAXIS 2D **(2019-2020(M2))**
- Sediment transport analysis and Flood propagation analysis on HEC-RAS **(2019-2020(M2))**
- Sanitation network design in a given area of several basins **(2018-2019)**
- Building structural and architectural design in addition to its foundations design **(2018-2019)**
- Participated in ASCE POPSICLE BRIDGE COMPETITION in Lebanon and ranked in top 5/30 teams **(2018-2019)**

SUMMARY SKILLS

- **Languages:** Arabic (Native), fluent English and beginner in French
- **Computer skills:** C language, Python, HTML, Microsoft office.

- **Modeling skills:** AutoCAD, PLAXIS 2D, TALREN, YADE, HEC-RAS, ETABS, Safe, ArcGIS, Robot, S-Concrete.

SOFT SKILLS

- Cooperates well with team members and coordinates tasks to deliver a great outcome
- Manages time efficiently by producing an adequate schedule that caters for the tasks at hand
- Communicates clearly and effectively through writing and presenting

CLUBS

- Member of Be-Positive charity club at Lebanese University *09/2017 to 07/2018 - Beirut, Lebanon*
- Vice President of ASCE Student chapter at Lebanese University *09/2018 to 07/2019 - Beirut, Lebanon*

Hobbies

Football, Basketball, Ping-Pong, Swimming