

# Hagop Halajian

## Structural Engineer

Dynamic, adaptable, dedicated, quick witted, and multilingual structural engineer with a consistent track record of driving results. Over 4 years of experience as a structural engineer in the telecommunications industry performing structural analyses on telecom towers, antenna mounts, rooftop equipment mounts, building wall mounts, water tank equipment mounts, and municipal utility poles making sure that all federal, state, city, and customer requirements are met.

✉ hagopk.halajian@gmail.com

☎ +1 (210) 374-7049

📍 Beirut, Lebanon

🌐 [linkedin.com/in/hagop-halajian-56438713a](https://www.linkedin.com/in/hagop-halajian-56438713a)

## WORK EXPERIENCE

### Structural Engineering Team Lead

Nexius Solutions Inc. / Novelus

01/2022 - Present

Lewisville, TX (Remote)

Projects: AT&T, Verizon, Sprint, T-Mobile, DISH. Projects' Locations: TX, CA, AR, CO, OR, NM, WA, MO, KS, IL, NY, MA, and WI. Codes used: TIA, AISC, ASCE, ACI, AASHTO, IBC, and AWWA.

#### Achievements/Tasks

- Reviewed structural analyses, modification designs, reports, and specifications produced by my team for different kinds of telecom structures (towers, rooftops/buildings, water tanks, and utility poles)
- Reviewed mount analyses, tower structural analyses, pole analyses, rigging plans, construction drawings, site walk data, RFDS's, JSA's, Lease Agreements, and pre/post inspection videos and reports.
- Successfully managed resources, workload, costs, and change control to ensure that projects are delivered on time and within budget.
- Motivated my team by providing coaching, training, and mentoring.
- Took part in interviewing, selecting, and hiring new structural engineers.
- Liaised with clients, professional organizations, contractors, sub-contractors, and manufacturers.
- Optimized processes and detected loopholes. Expanded relationships with clients
- Briefed my team on targets and provided technical and business updates.
- Prepared training materials, led training sessions, and successfully trained a high-performing team of structural engineers. Successfully lead my team of 5 structural engineers by properly planning/managing incoming workload making sure that all project deadlines were met while maintaining continuous communication with the clients.
- Served as a resource of information for different levels and departments within the company. Worked collaboratively with other departments and offices.

### Associate Structural Engineer

Nexius Solutions Inc. / Novelus

11/2018 - 01/2022

Lewisville, TX (Remote)

#### Achievements/Tasks

- Designed and analyzed upwards of 1,000 wireless projects (C-Band, C-RAN, LTE, etc.).
- Analyzed wood, steel, aluminum, and concrete municipal utility poles (small cell sites). Analyzed traffic signal poles. Analyzed utility/traffic signal pole foundations.
- Analyzed telecommunication tower mounts and designed for reinforcements when necessary - Platform/Sector Mounts (Macro Sites)
- Analyzed building/rooftop antenna mounting structures and designed for reinforcements when necessary (tripods/sled mounts/wall mounts).
- Analyzed telecommunication towers (Self-Support Towers, Guyed Towers, and Monopoles).
- Prepared class IV rigging plans.
- Reviewed requests for engineering services to determine that adequate information is provided to complete service.

## EDUCATION

### B.Eng. in Civil Engineering (ABET Accredited)

Notre Dame University - Louaizé

09/2013 - 05/2018

Zouk Mosbeh, Lebanon

#### Courses

- Structural/Construction Management
- Transportation/Geotechnical/Water Resources/Environmental
- Activities and Societies: American Society of Civil Engineers (NDU Student Chapter Committee Member 2016-2017)

## TECHNICAL SKILLS

RISA 3D

Hilti PROFIS

TNX Tower

O-Calc Pro

PLAXIS 2D

AutoCAD

CSI SAP2000

Microsoft Office

Autodesk Robot Structural Analysis

## PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Order of Engineers and Architects - Beirut

## LANGUAGES

English



Arabic



Armenian



Turkish



French



## INTERESTS

Cycling

Skiing

Tennis

Camping

Volunteering

Playing drums/guitar

Aviation - Flying single engine trainer aircraft