

Dear Hiring Manager,

I am writing this letter to apply for the Software Quality Assurance Engineer position at your company. I am very pleased with the work your firm produces and I'm eager to become a part of your team.

I am a fresh Civil and Environmental Engineering graduate from Saint Joseph University (ESIB) with a GPA of 3.6. I am very enthusiastic about Maths, Programming and Finance. I even took some Data, Testing and Finance courses and certifications online, and I am very interested in a job at NeoTechnologies where I will be able to work in all the fields that I like.

In the Data course, I learned the SQL language (create a database with primary and foreign keys, insert data, join several tables to get needed data, and make complex mathematical operations...). I also took a course about testing (types of testing, testing phases, etc...) and Agile where I learned how to work in an Agile environment and I learned how to use Jira software.

And finally, I took a course about Capital Market Immersion where I had an introduction on everything related to the Capital Market (Equities, Bonds, Time value of Money, Swaps, and Options...)

During my college years I had several practical experiences as part of our curriculum in our school. I have acquainted myself with a range of skills such as critical thinking, attention to details and problem solving skills that would allow me to blend with your corporation.

As you can see from my attached resume I have had several internships. During my last internship in summer 2019, I worked as a Civil Engineer intern for Vinci Autoroutes in France. As part of the project management team, I dealt with engineering structures in the context of a highway concession company. I was able to work on different subjects of retro planning, realization of the pyramid of age of the works and finally the setting up of a table containing the information on the prefectural decrees on the basins. I proved to be rigorous, autonomous, serious and motivated towards my given tasks. This internship made me realize the passion I have for traveling and working with people from very different cultures. My good integration in the team and my ability to work with my colleagues was admired by my tutor as you can see in my attached internship evaluation.

In parallel to my five study years, tutoring children during private courses and summer camps let me become a more responsible and patient person.

Apart from being a proactive learner, I am actively involved in extracurricular activities inside and outside the campus. As a volunteer in "Donner Sang Compter", I was able to pick up valuable qualities such as work ethic, attention to details and most importantly leadership. In addition, my commitment to sports helped me acquire time management, goal orientation and discipline that I would love to transfer into the workplace and be seen as beneficial for employers.

In the hope that my application will interest you, you can find my curriculum vitae below for your consideration. Please do not hesitate to contact me if you require further details. I am available for any interview to highlight my skills and qualifications at any time.

Thank you and I look forward to your reply.

Kind regards,

Mariejo Hadwane



Mariejo Hadwane

Civil & Environmental Engineer - Transportation specialist

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WORK EXPERIENCE

Engineer Internship

Rueil Malmaison, France

Vinci Autoroute (Cofiroute)

06/2019– 08/2019

Achievements/Tasks

- Built the pyramid of age of Cofiroute's heritage and its maintenance works
- Worked on the retro -planning of the 2019 program
- Made a recapitulative table that includes all Cofiroute's basins and its maintenance requirements towards the State
- Made site visits (Dupleix Tunnel, carpooling parkings etc..)and checked all safety rules
- Attended seminars, presentations and meetings

Site Engineer Internship

Zerock Group

06/2018–08/2018

Chiyah, Lebanon

Achievements/Tasks

- Checked that size and spacing of reinforcement steel in slabs beams and columns are as per drawing
- Supervised Stone construction masonry works
- Checked on hot melt structural waterproofing system
- Ensured that all materials used and work performed are in accordance with the specifications

Internship

Zerock Group

07/2017 – 08/2017

Antelias, Lebanon

Achievements/Tasks

- Assisted in the management of Concrete Pours (setup, ordering, testing, placing, finishing, curing)
- Attended meetings on site follow ups and cost control
- Wrote daily reports

Tutoring Children

Private

03/2016 – Present

Achievements/Tasks

- Teach Private courses in Maths and Physics for children between 16 and 18 years old

COMPUTER SKILLS

AutoCAD, Revit, 3Dmax, MATLAB, Simulink

Python, SQL, Jira

Robot, RDM6, CSI Bridge, EPANET, K-Rea, Plaxis, Talren

Microsoft Office (Excel, Word, Power Point)

LANGUAGES

Arabic

Native

English

Fluent

French

Fluent

Spanish

Basic

EDUCATION

Bachelor in Civil and Environmental Engineering

Université Saint Joseph, Mar Roukoz, Lebanon

2015 – Present

French Baccalaureate (GS) and Lebanese Baccalaureate LS stream

Collège de la Sainte Famille, Jounieh, Lebanon

2012 – 2015

UNIVERSITY PROJECTS

Final Year Project: 21m depth excavation (1/2020-6/2020)

- Analyzed the results of the extracted soil samples report and SPT tests and determined the soil's properties for each layer
- Designed the diaphragm wall and placed the nails and struts using K-Rea and checked the stability.
- Checked the general stability using Talren
- Designed the diaphragm wall reinforcement
- Computed the permeability of each layer in order to analyze the dewatering process

Foundation and structure project (2/2019 – 5/2019)

- Made raft, columns and retaining wall study of a 4 floors building with 2 basements using Excel
- Made the structural study of the same building (design and reinforcement of the columns, beams, slabs, foundations, stairs...)
- Made all the reinforcement drawings using Autocad
- Made an estimation of the price of the project (BOQ)

Water supply system (10/2018 – 12/2018)

- Created a water supply network in a certain village using google earth and google maps
- Analysed the need according to population
- Made a preliminary analysis of the system using Excel and Epanet
- Made a hydraulic analysis of the system by adding pumps and changing pipe diameters

Smart House Model (03/2017 – 05/2017)

- Controlled several home devices (Internet of Things) via Smartphones using Arduino and MIT AI2 Companion application and connected through Bluetooth and WiFi.

Online Courses & Certifications

- **SQL For Data Science** - University of California, Davis
- **Master Software Testing, Jira, Agile** - Udemy
- **Capital Market Immersion** - Udemy

EXTRA-CURRICULAR ACTIVITIES:

Member in Donner Sang Compter

Member in ASCE