



Pregraduation Experience Record Form

Instructions

a - If you are using a word processing software such as “Word” or ‘WordPerfect”, simply enter the information in the shaded fields (These fields will expand; you can type as much information as you wish in each section.) Otherwise, print the form and provide the information on separate sheets.

b - Print the completed form and ask your supervisor to review the information, complete the last portion and sign the document.

c - Retain the completed and signed form until you’re ready to apply for your P.Eng. licence. PEO will only determine the eligibility of your pre-graduation experience when you apply for your licence.

Section to be completed by the student

Name of student: **Chang Qiu**

University: **Carleton University**

Program of study: **Electrical Engineering**

Expected graduation date: **04-2021** (month and year)

PEO Student ID Number (if applicable): **N/A**

Work period: From: **03/07/2018** (DD/MM/YY) To: **31/07/2019** (DD/MM/YY)

Job title: **Verification and Validation intern, and Software intern**

Company name: **Faiveley Vapor Rail**

Job Description

Please describe the engineering component of your position in 3 to 5 sentences.

I have worked six months as part of the V&V team to define test procedures and execute system tests on a validation rig. I have also worked six months as part of the software development team to correct software bugs, perform code reviews and unit tests, and create as well as inspect documentations.

Application of Theory	Enter the percent of time : 70 %
The application of theory is a mandatory requirement. Therefore, it is expected that each position will provide some exposure to this criterion. Clearly outline your contribution to the work that was undertaken.	
I have worked in Agile method with strict safety related specifications (e.g. IEC EN50128). I have used C/ C++/ to develop and debug software code.	
Other Experience	
Please describe how your work experience addressed the other four criteria - (practical experience, engineering management, communication skills and social implications)	
I have validated, adapted test plans, created test reports, as well as communicated with colleagues to organize and execute test cases. I also used the agile method to plan and predict my workload, but also provide prompt progression about my work.	

Name of Supervisor: **Marc Lanoue**

Title of Supervisor: **Engineering Product Manager - Electronic Controllers**

Mailing Address: **10,000 Cavendish Blvd**

Saint-Laurent, QC

H4M 2V1

Phone number: **514-466-2179**

E-mail address: **mlanoue@wabtec.com**

Supervisor's Signature: _____

Professional Engineer: Yes ☐ No ☒ Licence/Registration Number: 111778 - OIQ

Date: October 25, 2019