

## CMPT 409 - Term Project

**Due:** Monday, August 10<sup>th</sup>, 2020 (last day of classes)

**Weight:** 20% of total grade

**Submission:** To be emailed by the TA.

**Grading:** The grading rubric is very simple:

0/2 for no effort or rushed job including no coherent understanding,

1/2 for a mediocre effort, and

2/2 for a decent to excellent effort.

**Warning:** You may be asked to discuss your project in person at any time, even during class.

### Task:

Your group is to *attempt* to produce a working quantum algorithm of your choice without mass-copying of existing code (copying code is allowed provided that it is referenced properly and is required to make your task tractable given our time constraints). The point of this exercise is to **learn** – not to produce so-called deliverables. Hence, this is stated as an attempt – **you will not be penalized for producing a non-working code**. However, you will be required to produce a report summarizing your findings (what you attempted, what you achieved, what problems were encountered and what you concluded). You can use any quantum language.

Note that every group may be required to be randomly interviewed during class-time to provide a status report as stated in the warning above.

### Prime References:

<https://qiskit.org/textbook/preface.html>

<http://docs.rigetti.com/en/stable/>

[https://qosf.org/project\\_list/](https://qosf.org/project_list/)

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