**Introduction**

The Department of Computer Science at The University of British Columbia is one of the best in the world. However, many Computer Science students struggle with the technical interview and therefore have problems being employed within the computer science coop program. Usually, an interview for a programming job is comprised by a behavioral part and a technical part.

**Statement of Problem**

For the behavioral part of the interview, the coop program offers plenty of resources and practice so that one will be prepared for it, but for the technical part, which is mostly about algorithms and data structures, one has to simply find some time to exercise. The problem is that most students take 5 courses each term, and they have no time to practice technical questions that are given in interviews. Some employers declared that they lowered the standards lately to the point that their only requirement is that the student has the ability to write some code. Normally, a programmer must analyze the complexity of the code written as well, but this is something that most students lack, and so some employers do not have that requirement anymore.

**Proposed Solution**

I have personally found one possible solution for this problem and that would be to have AMS sponsored clubs that practice technical interview questions. As I stated previously, data structures and algorithms are the topics of technical interview questions. I am aware that there are already 2 mandatory courses that focus on these topics, but they mostly explain the theory without offering a broad variety of problems to the student. However, it seems that so far there is no club that has that focus specifically. My solution would give a chance to the students to practice problems and analyze the complexity of their solutions.

**Scope**

In order to determine if it is achievable to have such an AMS sponsored club that focuses on the technical interview practice, I propose the following questions:

1. How many students would want to participate in the club?
2. What will be the format of the activities that will be held in the club?
3. How can one measure the progress of a member of the club?
4. What measure can be taken so as to accommodate students coming from various years in the computer science degree?
5. How many leadership roles should there be within the club?

**Methods**

My main source of data will come from interviews with Computer Science faculty members and surveys dedicated to students from the computer science degree. It may be a bit challenging to find someone dedicated to practice regularly, and that has the ability to solve most of the questions. Such a member would be able to guide others in solving the questions, and I deem that it is necessary to have such members.

**My Qualifications**

I myself am a student at UBC Vancouver Campus, studying Computer Science, and there are multiple instances when I faced difficult problems in technical interviews. Therefore I decided to take action and make interviews more approachable for computer science students.

**Conclusion**

While UBC is one of the best universities out there in the world, it certainly lacks a key component for the students’ academic life, and that is the practice for the technical fragment of the job interview. One possible way to solve this issue is to add a club that focuses on the practice of data structures and algorithms.