Computer Science Society (CSS) Annual Agenda

Quinn Perfetto
With Assistance From The 2016/2017 CSS

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Contents

1 Purpose

This agenda should serve as a guideline for the minimum required involvement of the CSS on an annual basis.

2 Industry Preparation

The CSS should provide, or enlist a computer science (CS) student outside of the CSS to provide, industry preparation through the following mediums:

2.1 Problem of the Week (POTW)

Each week an interview inspired programming problem is posted to be solved by the CS student body. Problems should be designed to force students to learn important concepts not studied in class. This activity is important as it exposes students to interview style programming problems in a very accessible way. POTWs could also be coupled with semi-regular presentations, dependant on the level of participation, which explain in detail the concepts required to solve each problem.

An open source django web app has been created for the purpose of managing these POTWs, and can be found at:
`https://github.com/Quinny/uWindsor-POTW-Leaderboard`
Suggested POTW concepts include, but are not limited to:

- Bitwise operations

- Union Finds

- Tries

- Socket I/O

- Bloomfilters

- Security (MySQL injection, buffer overflow, brute force, etc.)

- Graph algorithms (BFS, DFS, shortest path, etc.)

2.2 Internship Mentor

The CSS should elect a student to provide mentoring to the CS student body in all matters related to securing internships. Duties may include performing mock interviews, resume critiquing, giving presentations, etc.

3 Monthly Events

In addition to the events listed below, the CSS should strive to hold at least one social event per month. Suggestions for these events include bowling, movie nights, video game competitions, group dinners, etc.

3.1 September

3.1.1 CSS T-Shirts

Every year the CSS designs and produces T-shirts for the purpose of being distributed to first year students. Historically, the left over T-shirts have been distributed to the rest of the student body, but only after all first years have received one. The number of incoming first years can be found by asking the CS secretary Margaret. Generally T-shirt size distributions are largely skewed towards mediums. In the past we have had success in ordering from Graphix Plus and dealing with Kirk.

3.1.2 Orientation

Every September the President of the CSS should speak at orientation and inform the incoming students about the contents of this document. The President should also lead the students to the St. Denis centre.

3.1.3 Promote The ACM Programming Contest

The CSS should actively promote participation in the ACM programming contest, and optionally provide workshops to help prepare new students for contest style programming.

3.2   October

3.2.1   Volunteer or Compete in ACM Programming Contest

The CSS members are encouraged to lead by example by competing in, or volunteering to help orgainize the ACM contest.

3.2.2   Decorate The Java Lab For Halloween

Sometime in the first week of October the Java Lab should be decorated for Halloween. Decorations can be found in the CSS office, and also may be purchased using CSS funds if needed.

3.2.3   Halloween Movie Night

The week of Halloween the CSS should hold a scary movie night. Pizza/snacks can be provided using CSS funds.

3.3   November

3.3.1   Begin Considerations for CS Games

CS games is a yearly programming contest generally held somewhere in Quebec. Historically, uWindsor has sent two teams to compete. In the opening weeks of November the CSS should begin thinking about specific organization details and begin the team selection process. In the past the CSS selected one team as the "A" team with the intent on trying to actually win events, and another team as the "B" team, with emphasis on personal growth and grooming future "A" team participants.

3.3.2   Register For CS Games

Registration for CS games opens at the end of November.

3.4   December

3.4.1   Decorate The Java Lab For Christmas

Decorations can be found in the CSS office, and the Christmas tree is generally held by the techs (inquire with Steve).

3.5   January

3.5.1   Student Run Programming Contest

Each year the CSS should hold a student run programming contest in a similar style to the ACM contest. This contest is best held within the first two weeks of the Winter semester so that students are not too busy with classes to participate. Quinn Perfetto and David Valleau have designed an environment for conducting these contests, contact them for details.

3.6   February

3.7   March

3.8   April

3.8.1   Organize Election For Next Year

The current President should email the CRO of the UWSA and begin discussions about organizing the elections for the following year. A student who will not be running should be put in charge of organizing the election in order to avoid potential conflicts of interest.

3.9   May

3.9.1   Changing Of The Guard

The new CSS should transition into place in May. Signing power is to be assigned to the new President, VP Academic, and VP Finance. A CSS credit card can also be applied for at this time by reaching out to the VP Finance for the UWSA.