

Computational Creativity Computer Science Self-Efficacy Questionnaire

Please rate how confident you are about your knowledge of or ability to do each of the following on a scale from 0 (Completely Unconfident) to 100 (Completely Confident). The scale descriptors (e.g., Very Unconfident, Somewhat Confident, etc.) are provided as general descriptors only. Except for "Completely Unconfident" and "Completely Confident" which represent 0 and 100 respectively, the descriptors are not tied to a specific number on the numeric scale. You may put down any number between 0 and 100. Rate only your current level of knowledge or ability; what you know or are able to do right now at this point in time. **Do not** consider how much you might know or be able to do at some future time.

0	10	20	30	40	50	60	70	80	90	100
Completely Unconfident	Very Unconfident	Unconfident	Somewhat Unconfident	Somewhat Confident	Confident	Very Confident	Completely Confident			

1. _____ Your knowledge of computational thinking.
2. _____ Your ability to use computational algorithms to solve problems in your field.
3. _____ Your ability to use objects in writing computer programs.
4. _____ Your ability to generate new computational solutions to problems in your field.
5. _____ Your ability to use computer and software tools in your field.
6. _____ Your ability to write recursive routines in computer programs.
7. _____ Your ability to think of novel ways of doing things in your field.
8. _____ Your ability to conceptualize data in your field in ways that can be analyzed computationally.
9. _____ Your ability to decompose problems in ways that can be solved algorithmically.
10. _____ Your ability to systematically approach a problem to find a solution.
11. _____ Your ability to view problems within your field in different ways.
12. _____ Your ability to think of multiple ways to approach solving a problem computationally.