

The Computing Professional Skills Assessment (CPSA) Rubric

CPSA 1. Students problem solve from a computing perspective.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Students do not identify the problems in the scenario.	Students begin to define the problems. Attempts to define the problems may be general, narrow, and/or inaccurate.		Students do not identify the problems in the scenario.		Students begin to define the problems. Attempts to define the problems may be general, narrow, and/or inaccurate.
Students do not make any recommendations for potential solutions.	Students may recommend potential solutions that don't fit the identified problems. Students may make recommendations for potential solutions without identifying the problems first.		Students do not make any recommendations for potential solutions.		Students may recommend potential solutions that don't fit the identified problems. Students may make recommendations for potential solutions without identifying the problems first.
Students do not identify stakeholders.	Students begin to identify stakeholders and their perspectives.		Students explain the perspectives of major relevant stakeholders and convey these with reasonable accuracy.		Students thoughtfully consider perspectives of diverse relevant stakeholders and articulate these with clarity and accuracy.
CPSA 2. Students work together as a group.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Students do not acknowledge or encourage participation of others.	Students notice other students' ideas. Students may make attempts to bring others into the discussion. Students may pose individual opinions without linking to what others say.		Students acknowledge, build on, clarify and/or critique other's ideas with some success.		Students do not acknowledge or encourage participation of others.
CPSA 3. Students consider ethical, legal, and security aspects.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Students do not identify ethical, legal, and security considerations.	Students detect related ethical, legal and/or security aspects of the problems and possibly also the potential solutions.		Students identify relevant ethical, legal, and security aspects in context of the problems and potential solutions.		Students clearly classify relevant ethical, legal, and security aspects and evaluate each in the context of the problems and potential solutions.
CPSA 4. Students communicate professionally in writing.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Student writing doesn't follow standard rules.	Students communicate using inaccurate and/or unconventional use of grammar, punctuation and spelling.		Students communicate using accepted conventions in grammar, punctuation and spelling.		Student writing doesn't follow standard rules.
Students do not use vocabulary related to the computing discipline.	Students use vocabulary that show they are aware of common computing terms and use them mostly accurately.		Students use discipline-specific vocabulary expected of a computing professional and with accuracy.		Students consistently use context appropriate, discipline-specific and accurate vocabulary expected of a computing professional in the workplace.
CPSA 5. Students analyze the consequences of existing computing solutions within local and global contexts.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Students do not consider consequences of computing solutions.	Students begin to analyze intended and unintended consequences of existing computing solutions on individuals, organizations and/or society within local and global contexts.		Students analyze intended and unintended consequences of existing computing solutions on individuals, organizations and/or society within local and global contexts.		Students accurately, systematically and thoughtfully analyze intended and unintended consequences of existing computing solutions on individuals, organizations and/or society within local and global contexts.
CPSA 6. Students interpret, represent, and seek information.					
0 - Missing	1 - Emerging	2 - Developing	3 - Practicing	4 - Maturing	5 - Mastering
Students don't refer to information presented in the scenario.	Students refer to information presented, but may misinterpret or misrepresent it.		Students, to a large extent, accurately interpret and represent information presented.		Students consistently and accurately interpret and represent information presented.
Students don't reference sources.	Students reference the source/s of information, but it may be incomplete.		Students reference the source/s of information in a manner that others can easily retrieve the source.		Students consistently and accurately use established conventions for citation and referencing.
Students do not seek information from additional sources.	Students begin to seek additional information relevant to the discussion. Source credibility may vary.		Students provide additional information from credible sources to support and extend the discussion.		Students consistently provide high quality additional information to support the discussion and extend their knowledge.