## Job Safety Analysis

<table>
<thead>
<tr>
<th>Job</th>
<th>Potential hazards</th>
<th>Safety Measures</th>
<th>personnel responsible</th>
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</thead>
<tbody>
<tr>
<td>software/programming</td>
<td>bad coding, software failure, losing control of robot</td>
<td>educating appropriate team member on proper software engineering and programing.</td>
<td>Mekiah</td>
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<tr>
<td></td>
<td></td>
<td>Any and all faulty programing should be fixed immediately.</td>
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<tr>
<td>Frame constructor</td>
<td>lack of communication could lead to accidents involving power tools causing damage to ROV and other team members. Exposed Cables could be hazardous to constructor and ROV.</td>
<td>CEO is responsible for making sure that all members are properly trained in the use of specific tools. Team education of the dangers that come with exposed cables will greatly increase our safety. Emergency first aid kits are readily accessible in case of accidents.</td>
<td>Amber, Brett</td>
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<tr>
<td>control system</td>
<td>Circuit failure, losing control, losing connection, high voltage.</td>
<td>In the case of signal lost software engineer will check coding and connections. Electric engineer will check fuses in the case of circuit failure. If there is loss of control of ROV the pilot and software engineer will check the robot to make sure it is under control before returning to tasks.</td>
<td>Mekiah, Jacob</td>
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<tr>
<td>Tether management</td>
<td>Tripping</td>
<td>Ensure that teacher is out of the way and reeled back when necessary</td>
<td>Meghan</td>
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<tr>
<td>Slippery surfaces and sharp objects</td>
<td>Cuts and trips</td>
<td>walk carefully, keep sharp tools away from peers while in use, where grippy shoes during launch and where gloves.</td>
<td>All</td>
</tr>
</tbody>
</table>

| Required equipment | Non slip shoes, sunscreen (if outdoors), life jackets. |  |   |